

STIC Search Report Biotech-Chem Library

STIC Database Tracking Municipal Con-

TO: Terra Gibbs

Location: 2d10 / 2c18

Art Unit: 1635

Thursday, August 18, 2005

Case Serial Number: 10/667022

From: Noble Jarrell

Location: Biotech-Chem Library

Rem 1B71

Phone: 272-2556

Noble.jarrell@uspto.gov

Search Notes			
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Schreiber, David

162645

From:

Gibbs, Terra

Sent:

Thursday, August 04, 2005 10:37 AM

To:

Schreiber, David

Subject:

Sequence search request...

Hi David,

I have another request for a score over length search:

I need a length limited nucleotide sequence search of SEQ ID NO:4 in USSN 10/667022, where the returns are rank ordered based on the score over length/ratio as we've discussed. I need the lengths limited to hits between 8 and 80 nucleotides, and I'll take as many hits as you can import into excel (64,000?), and alignments for anything above .75 on the above ratio. Hope this is clear, please call me if it's not. I also need the interference databases searched.

David, is it possible to only return patent hits from ISIS?????

Terra Cotta Gibbs, Ph.D. Art Unit 1635 Remsen Building 2D10 Mailbox 2C18 571-272-0758

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FÓR OFFICIAL USE ONLY

ACCESS DB #					
PLEASE	PRINT CLEARLY				

Scientific and Technical Information Center

SEARCH REQUEST FORM

Requester's Full Name:		Examiner # :	Date:
Art Unit:	Phone Number: 2-	Serial Numbe	r:
	(Mailbox #):		rred (circle): PAPER DISK
*****	******	*******	· * * * * * * * * * * * * * * * * * * *
To ensure an efficient and qual	ity search, please attach a copy o	f the cover sheet, claims, and abst	ract or fill out the following:
Inventors (please provide fu	II names):		
Earliest Priority Date:			
Search Topic:			
elected species or structures, keys	words, synonyms, acronyms, and i		egiet matter to be searched. Include the the concept or utility of the invention. if known.
For Sequence Searches Only appropriate serial number.	Please include all pertinent inforn	nation (parent, child, divisional, or	issued patent numbers) along with the
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STAFF USE ONLY	Type of Search	Vendors and	cost where applicable
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Searcher Location:			
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Date Completed: 4 (8 (5	Litigation	Cammercial	OligomerScore/Length SPDIEncode/Transl
Searcher Prep & Review Time: 10			Other (specify)
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SCORE OVER LENGTH SEARCHES

Attached is a score over length search. This search was developed to overcome limitations in most standard search systems which favor large sequences with high scoring, but lesser overall identity over smaller sequences with higher overall identity. This search is especially useful for relatively small nucleic acid or polypeptide target sequences (antisense, fragments, probes, primers, RNAi, epitopes, haptens, etc.) claimed functionally via a form of hybridization and/or identity language and having defined upper and lower polynucleotide and or polypeptide length limits.

The score over length search is performed by first running the query sequence using examiner-specified identity and polynucleotide or protein length limit parameters, and saving 65,000 hits and 0 alignments from each desired database. The resulting output is reformatted using a Microsoft Word macro and is imported into Excel. The summary table data are then sorted by the ratio of score of each hit sequence divided by its length and the accession numbers for all hits below the examiner's desired score over length parameters are deleted. The remaining accession numbers are used to pull the corresponding sequences from the databases into subdatabases enriched for good hits and the query sequence is re-run against these subdatabases to yield the final results.

The score over length cutoff for this search is

Examiner Please Note: This cover sheet should be included when submitting results to be scanned.

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Run

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/note="Vector: Ziblox; Site 1: Sal I; Site 2: Not I; mRNA
/note="Vector: Ziblox; Site 1: Sal I; Site 2: Not I; mRNA
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Pooldeae; Triticaee; Hordeum.
Hordens 1 ro 56,
Ali,S, Holloway,B. and Taylor,W.C.
Normalisation of cereal endosperm EST libraries for structural and
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ACCESSION: AJ679356
ACCESSION: CR786853
ACCESSION: BM398023
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Plant Mol. Biol. Rep. 18, 123-132 (2000)
Contact: Bill Taylor
Commonwealth Scientific and Industrial Research Organisation
Division of Plant Industry.
CSIRO Plant Industry, GPO Box 1600, Canberra, ACT 2601, Australia
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ACCESSION: AZ827015
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ACCESSION: CF307519
ACCESSION: CF326591
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 A1153615
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Fax: 61 2 6246 5000
Email: Bill.Taylor@csiro.au
Seg primer: M13 reverse primer
High quality sequence stop: 56.
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Copyright (c) 1993 - 2005
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EST.

Triticum aestivum

ENkaryora, Viridiplantae, Sēreptophyta; Embryophyta; Tracheophyta;

Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae;

Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae;

Pooideae; Triticeae; Triticum.

SAI, S. Holloway, B. and Taylor, W.C.

Normalisation of cereal endosperm EST libraries for structural and functional genomic analysis

Normalisation of cereal endosperm EST libraries for structural and contact: Bill Taylor and Industrial Research Organisation

Commonwealth Scientific and Industrial Research Organisation

Division of Plant Industry.

CSIRO Plant Industry.

CSIRO Plant Industry.

CSIRO Flant Industry.

Fax: 61 2 6246 5020

Fax: 61 2 6246 5000

Email: Bill.Taylor@csiro.au

Seq primer: Mil reverse primer

High quality sequence stop: 53.

High quality sequence stop: 53.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   wNEL27a3 Wheat EST endosperm library Triticum aestivum cDNA clone WNEL27a3 5' similar to Unknown Function, mRNA sequence. CV065817
         Himalaya. CDNA was synthesised from pooled 10, 12, and 15 dpa endosperm using Not 1-oligo(dT)18 primer/adapter (Pharmacia Biotech), and then ligated to the Sal I-Not I ste of ZipLox vector (Life Technology) after adding a Sal I-Xho I adapter (Stratagene). Constructed by Shahjahan Ali and Bill Taylor."
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    /organism="Triticum aestivum"

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0; Mismatches
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/cultivar="Hartog"
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Best Local Similarity 85.7%;
Matches 48; Conservative
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셤

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/dev stage="endosperm"
/dev stage="endosperm"
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/lab host="lib="wheat EST endosperm"
/note="Vector: Ziplucx; Site 1: Sal I; Site_2: Not I; mRNA
/note="Vector: Ziplucx; Site 1: Sal I; Site_2: Not I; mRNA
/note="Vector: Ziplucx; Site 1: Sal I; Site_2: Not I; mRNA
/note="Vector: Ziplucx; Site 1: Sal I; Site_2: Not I; mRNA
was prepared from endosperm tissues of the wheat cultivar
was prepared from endosperm tissues of the wheat cultivar
mas prepared from endosperm tissues of the wheat cultivar
endosperm using Not I-oligo(dT)18 primer/adapter
(Pharmacia Blotech), and then ligated to the Sal I-Not I
site of Ziplucx vector (Life Technology) after adding a
Sal I-Xho I adapter (Stratagene). Constructed by Shahjahan
Ali and Bill Taylor."
                                                                                                                                                                                                                                              Inticum acetivum

Bukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;

Sukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;

Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae;

Pooideae; Triticeae; Triticum.

I (bases I to 45)

Stalis, Holloway, B. and Taylor, W.C.

Normalisation of cereal endosperm EST libraries for structural and functional genomic analysis

Normalisation of cereal endosperm EST libraries for structural and functional genomic analysis

Contact: Biol. Rep. 18, 123-132 (2000)

Contact: Bill Taylor

Commonwealth Scientific and Industrial Research Organisation

Division of Plant Industry.

CSIRO Plant Industry, GPO Box 1600, Canberra, ACT 2601, Australia

Tel: 61 2 6246 5000

Email: Bill Taylor@csiro.au

Seq primer: M13 reverse primer

High quality sequence stop: 45.

Location/Qualifiers
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Hordeum vulgare subsp. vulgare
Hordeum vulgare subsp. vulgare
Bukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae;
Pooideae; Triticeae; Hordeum.
1 (Dases 1 to 46)
Ali,S, Holloway,B. and Taylor,W.C.
CV066098 WNEL2g3 Wheat EST 24-AUG-2004 WNEL2g3 S' similar to Unknown Function, mRNA sequence.
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BNEL4558 Barley EST endosperm library Hordeum vulgare subsp.
vulgare cDNA clone BNEL45b8 5' similar to Unknown Function, mRNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 45;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           DB 1;
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/organism="Triticum aestivum"
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Pred. No. 4;
                                                                                                                                                                                                                 Triticum aestivum (bread wheat)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       /db xref="taxon:4565"
/clone="WNEL2g3"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   /mol_type="mRNA"
/cultivar="Hartog"
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                                                                                                                                                     CV066098.1 GI:51529275
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CV057724
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/ db xrefe "taxon:112509"

/ clone="BNEL45b8"

/ tissue type="endosperm"

/ dev_ stage="developing endosperm tissue 10, 12, 15 dpa

/ days post anthesis)"

/ lab_ host="BH10B (Life Technology)"

/ lab_ host="DH10B (Life Technology)"

/ loone lib="Barley EST endosperm library"

/ clone lib="Barley Coltivar Himalaya. CDNA was synthesised from pooled 10, 12, and 15 dpa endosperm using Not I-oligo(dT)18 primer/adapter

(Pharmacia Biotech), and then ligated to the Sal I-Not I site of ZipLox vector (Life Technology) after adding a Sal I-XhO I adapter (Stratagene). Constructed by Shahjahan Ali and Bill Taylor."
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Normalisation of cereal endosperm EST libraries for structural and functional genomic analysis
Plant Mol. Biol. Rep. 18, 123-132 (2000)
Conteat: Bill Taylor
Commonwealth Scientific and Industrial Research Organisation
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Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae;
Pooideae; Triticeae; Triticum.
1 (bases 1 to 48)
Ali,S, Holloway,B. and Taylor,W.C.
Normalisation of cereal endosperm EST libraries for structural and functional genomic analysis
Plant Mol. Biol. Rep. 18, 123-132 (2000)
Contact: Bill Taylor
                                                                                                                     Division of Plant Industry.

CSIRO Plant Industry, GPO Box 1600, Canberra, ACT 2601, Australia
Tel: 61 2 6246 5223

Eax: 61 2 6246 5000

Email: Bill.Taylor@csiro.au
Seq primer: M3 reverse primer
High quality sequence stop: 46.

Location/Qualifiers
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SIRO Plant Industry, GPO Box 1600, Canberra, ACT 2601, Australia
Tel: 61 2 6246 5223
Pax: 61 2 6246 5000
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                                                                                                                                                                                                                                                                                                                                             /organiam="Hordeum vulgare subsp. vulgare"
|mol_type="mRNA"
|cultivar="Himalaya"
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High quality sequence stop: 48.
Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Best Local Similarity 97.7
Matches 42, Conservative
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AUTHORS
TITLE
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CV064988
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       TITLE
                                                                             COMMENT
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/tissue type="endoperm"
/dev_stage="developing endosperm tissue 6, 8, 10 dpa (days post anthesis)"
/lab host="bH10B (life Technology)"
/lab host="bH10B (life Technology)"
/clone_lib="Wheat EST endosperm library"
/clone_lib="wheat EST endosperm lissues of the wheat cultivar was prepared from endosperm tissues of the wheat cultivar Hartog. cDNA was synthesised from pooled 6, 8, and 10 dpa endosperm using Not I-oligo(dT)18 primer/adapter
(Pharmacia Biotech), and then ligated to the Sal I-Not I site of ZipLox vector (Life Technology) after adding a Sal I-Xho I adapter (Stratagene). Constructed by Shahjahan Ali and Bill Taylor."
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Hordeum vulgare subsp. vulgare
Eukaryota, Wirdiplantae, Streptophyta, Embryophyta, Tracheophyta;
Eukaryota, Wisdiplantae, Streptophyta, Embryophyta, Tracheophyta;
Eukaryota, Magnoliophyta, Liliopsida, Poales, Poaceae;
Pooideae; Triticeae; Hordeum.

1 (bases 1 to 54)
S Ali,S, Holloway,B. and Taylor,W.C.
Normalisation of cereal endosperm EST libraries for structural and functional genomic analysis
L. Plant Mol. Biol. Rep. 18, 123-132 (2000)
Contact: Bill Taylor
Comnonwealth Scientific and Industrial Research Organisation
Division of Plant Industry.
CSIRO Plant Industry, GPO Box 1600, Canberra, ACT 2601, Australia
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days post anthesis"
/lab_hots="DH10B (Life Technology)"
/clone lib="Barley EST endosperm library"
/note="Vector: _ZipLox; Site_1: Sal I; Site_2: Not I; mRNA
was prepared from endosperm tissues of the barley cultivar
Himalaya. CDNA was synthesised from pooled 10, 12, and 15
dpa endosperm using Not I-oligo(dT)18 primer/adapter
(Pharmacia Biotech), and then ligated to the Sal I-Not I
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BNEL30a8 Barley EST endosperm library Hordeum vulgare subsp.
vulgare cDNA clone BNEL30a8 5' similar to Unknown Punction, mRNA
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    .54
    /organism="Hordeum vulgare"

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Fax: 61 2 6246 5203
Email: Bill.Taylor@ceiro.au
Seq primer: M13 reverse primer
High quality sequence stop: 54.
Location/Qualiflers
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/db_xref="taxon:112509"
/clone="BNEL30a8"
/mol_type="mRNA"
/cultivar="Hartog"
/db_xref="taxon:4565"
/clone="WNEL17h3"
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/cultivar="Himalaya"
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Best Local Similarity 97,77,
These 42; Conservative
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/cullivat="numidage"
/sub_species="vulgare"
/sub_xref="taxon:112509"
/clone="numidage"
/clone="numidage"
/clone="annialidage"
/clone lib="barley Bar endosperm library"
/clone lib="barley Bar endosperm library"
/clone lib="barley Est endosperm library"
/clone lib="barley Est endosperm library"
/clone lib="barley from endosperm lissues of the barley cultivar was prepared from endosperm lissues of the barley cultivar Himalaya. CDNA was synthesised from pooled 10, 12, and 15 dpa endosperm using Not I-oligo(dT)18 primer/adapter dpa endosperm using Not I-oligo(dT)18 primer/adapter (Pharmacia Biotech), and then ligated to the Sal I-Not I site of ZipLox vector (life Technology) after adding a site of ZipLox vector (life Technology) after adding a sal I-Xho I adapter (Stratagene). Constructed by Shahjahan Ali and Bill Taylor."
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Subaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae;
Pooideae; Triticeae; Hordeum.
1 (base; 1 to 46)
11 (base; 1 to 46)
12 (base; 1 to 46)
12 (base; 1 to 46)
13 (base; 1 to 46)
14 (base; 1 to 46)
15 (base; 1 to 46)
16 (base; 1 to 46)
17 (base; 1 to 46)
18 (bas
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1 (bases 1 to 46)
Ali,S, Holloway,B. and Taylor,W.C.
Normalisation of cereal endosperm EST libraries for structural and functional genomic analysis
Plant Mol. Biol. Rep. 18, 123-132 (2000)
Contact: all Taylor
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CSIRO Plant Industry, GPO Box 1600, Canberra, ACT 2601, Australia
                                                                                                                                                          Commonwealth Scientific and Industrial Research Organisation Division of Plant Industry.

CSIRO Plant Industry, GPO Box 1600, Canberra, ACT 2601, Australia
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
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    1. .46
    7. organism="Hordeum vulgare subsp. vulgare"
/mol type="mRNA"
/culTivar="Himalaya"

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Fax: 61 2 6246 5000
Email: Bill.Taylor@csiro.au
Seq primer: M13 reverse primer
High quality sequence stop: 46.
Location/Qualifiers
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Fax: 61 2 6246 5000

Email: Bill.Taylor@csiro.au
Seq primer: M13 reverse primer
High quality sequence stop: 46.
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Hordeum vulgare subsp. vulgare
Subaryota, Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnollophyta; Liliopsida; Poales; Poaceae;
Pooideae; Triticeae; Hordeum.
                                                                                                                                                                                                                                                                                                                                                                                                                                                            CV307126 54 bp mRNA linear EST 23-SEP-2004 tj41a12.b7 Mouse 5' RACE clones Mus musculus cDNA 5', mRNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus. 1 (bases 1 to 54)
Dike,S., Balija,V.S., Nascimento,L.U., Xuan,Z., Ou,J., Zutavern,T., Palmer,L.E., Hannon,G., Zhang,M.Q. and McCombie,W.R.
The Mouse Genome: Experimental examination of gene predictions and transcriptional start sites
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0
      site of _ZipLox vector (Life Technology) after adding a Sal I-Xho I adapter (Stratagene). Constructed by Shahjahan Ali and Bill Taylor."
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BNEL71d8 Barley EST endosperm library Hordeum vulgare subsp.
vulgare cDNA clone BNEL71d8 5' similar to Unknown Function, mRNA
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                                                                                                                                    DB 1; Length 54;
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Cold Spring Harbor Laboratory
500 Sunnyside Blvd, Woodbury, NY 11797, USA
Fax: 516 422 4109
Email: balija@cshl.org.
Location/Qualifiers
                                                                                                                                                                                                5;
                                                                                                                                       Score 41; DB 1
Pred. No. 4.7;
0; Mismatches
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Mus musculus
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                                                                                                                                       Query Match 0.8%;
Best Local Similarity 89.8%;
Matches 44; Conservative
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Contact: Balija VS
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FEATURES

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/tissue_type="endosperm"
/dev_stage="developing endosperm tissue 10, 12, 15 dpa
(days post anthesis)"
/lab host="minsis"
/lab host="blid"
/lab host="blid"
/localib="Barley EST endosperm library"
/note="vector: ZipLox; Site 1: Sal 1; Site 2: Not 1; mRNA
was prepared from endosperm lissues of the barley cultivar
Himalaya. CDNA was synthesised from pooled 10, 12, and 15
dpa endosperm using Not I-oligo(dT)18 primer/adapter
(Pharanacia Blabtech), and then ligated to the Sal I-Not I
site of ZipLox vector (Life Technology) after adding a
Sal I-Xho I adapter (Stratagene). Constructed by Shahjahan
Ali and Bill Taylor."
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Bukaryota, Viridiplantae, Streptophyta, Embryophyta, Tracheophyta,

Spermatophyta, Magnollophyta, Liliopsida, Poales, Poaceae,

Pooldeae, Triticeae, Hordeum.

1 (Bases I to 43)

Ali,S, Holloway,B. and Taylor,W.C.

Normalisation of cereal endosperm EST libraries for structural and
functional genomic analysis

Plant Mol. Biol. Rep. 18, 123-132 (2000)

Contact: Bill Taylor

Contact: Bill Taylor

Contact: Bill Scientific and Industrial Research Organisation
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Division of Plant Industry.

CSIRO Plant Industry, GPO Box 1600, Canberra, ACT 2601, Australia Tel: 61 2 6246 5223

Fax: 61 2 6246 5000

Email: Bill.Taylor@csiro.au
Seq primer: Mil reverse primer
High quality sequence stop: 43.
                                                                                                                                                     CV062138
BNEL76g12 Barley EST endosperm library Hordeum vulgare subsp.
vulgare cDNA clone BNEL76g12 5' similar to Unknown Function, mRNA
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BNBL/75c2 Barley EST endosperm library Hordeum vulgare subsp.
vulgare cDNA clone BNBL/75c2 5' similar to Unknown Function, mRNA
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/organism="Hordeum vulgare subsp. vulgare"
1; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            /sub_species="vulgare"
/db_xref="taxon:112509"
/clone="BNEL76g12"
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/cultivar="Himalaya"
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CV062024.1
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CV062138
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                                                                                                                / Sub species="vulgare"
/ Sub species="vulgare"
/ Sub species="vulgare"
/ Clone="BNEL992"
/ Lissue_type="endopperm"
/ dev_etage="developing endosperm tissue 10, 12, 15 dpa
/ dev_etage="endosperm"
/ dev_etage="ceveloping endosperm tissue 10, 12, 15 dpa
/ dev_etage="bulbo (Life Technology)"
/ lab_host="DH10B (Life Technology)"
/ lab_host="DH10B (Life Technology)"
/ clone="large Exf endosperm library"
/ clone Lib="Barley Exf endosperm library"
/ note="Vector: _ZipLox; Site_i: Sal I; Site_2: Not I; mRNA
was prepared from endosperm lissues of the Barley cultivar
Himalaya. CDNA was synthesised from pooled 10, 12, and 15
dpa endosperm using Not I-oligo(dT)18 primer/adapter
(Pharmacia Biotech), and then ligated to the Sal I-Not I
site of _ZipLox vector (Life Technology) after adding a
Sal I-Xho I adapter (Stratagene). Constructed by Shahjahan
Ali and Bill Taylor:"
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http://baygenomics.ucsf.edu/cgi-bin/BaySearch.py?OPTION=EXACT&TYPE=
CELL LINE&KEY=BGA334
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BayGenomics.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Contact: BayGenomics
Bay Area Functional Genomics Consortium (BayGenomics)
Banil: info@baygenomics.ucsf.edu
Sequence tag generated by 5' RACE of total RNA from gene trap ES
cell line. ES cell lines harboring insertion mutation of target
gene are available upon request from BayGenomics. Annotation
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           51 bp mRNA linear GSS 06-OCT-: BGA334 BayGenomics Gene Trap Library pGT1Lxf Mus musculus cDNA, CW509332 ...
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/clone_lib="BayGenomics Gene Trap Library pGT1Lxf"
/note="Vector: pGT1Lxf"
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11.3%; Pred. No. 5.5;
.ve 0; Mismatches 4; Indels
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                                                 'organism="Hordeum vulgare subsp. vulgare"
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/strain="129 ola"
/db xref="taxon:10090"
/sex="Male"
                                                                         /mol_type="mRNA"
/cultivar="Himalaya"
Location/Qualifiers
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Unpublished (2001)
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Mus musculus
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Best Local Similarity 91.3%;
Matches 42; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity 95.3°
Matches 41, Conservative
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VERSION KEYWORDS SOURCE ORGANISM

ACCESSION

REFERENCE AUTHORS TITLE JOURNAL COMMENT

CW509332/c DEFINITION

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FEATURES

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Ali,S, Holloway, B. and Taylor,W.C.
Ali,S, Holloway,B. and Taylor,W.C.
Normalisation of cereal endosperm EST libraries for structural and functional genomic analysis
Plant Mol. Biol. Rep. 18, 123-132 (2000)
Contact: Bill Taylor
Commonwealth Scientific and Industrial Research Organisation
Division of Plant Industry.
CSIRO Plant Industry, GPO Box 1600, Canberra, ACT 2601, Australia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Hordeum vulgare subsp. vulgare
Sukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae;
Pooideae; Triticae; Hordeum.
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/dev_stage="developing endosperm tissue 10, 12, 15 dpa
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                DB 1; Length 47;
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                                                                                                                                                                      /organism="Hordeum vulgare subsp. vulgare"
|mol_type="mRNA"
|cultivar="Himalaya"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              4; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           mRNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 36.6; DB pred. No. 7.8; 0; Mismatches
Fax: 61 2 6246 5000
Email: Bill.Taylor@csiro.au
Seq primer: M13 reverse primer
High quality sequence stop: 47.
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    /sub_species="vulgare"
/db_xref="taxon:112509"
/clone="BNEL59e10"
                                                                                                                                                                                                                                                                 /sub_species="vulgare"
/db_xref="taxon:112509"
/clone="BNEL57c6"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 47 bp
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    High quality sequence stop: 47.
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Fax: 61 2 6246 5000
Famil: Bill.Taylor@csiro.au
Seg primer: M13 reverse primer
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/cultivar="Himalaya"
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CV060559.1 GI:51523698
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Best Local Similarity 90.73
Matches 39; Conservative
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CV060559/c
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| organism="Hordeum vulgare subsp. vulgare"
| woll type="mRNA"
| woll type="mRNA"
| cullivaz="Himalaya"
| cullivaz="Himalaya"
| cullivaz="Himalaya"
| cullivaz="Himalaya"
| cullivaz="Himalaya"
| cullivaz="tage="vulgaze"
| clone="Nablase"|
| clone="Nablas
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BNEL57C6 Barley EST endosperm library Hordeum vulgare subsp.
vulgare cDNA clone BNEL57C6 5' similar to Unknown Function, mRNA
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Hordeum vulgare subsp. vulgare
Bukaryota, Viridiplantee, Streptophyta, Embryophyta, Tracheophyta,
Spermatophyta, Magnollophyta, Liliopsida, Poales, Poaceae,
Pooideae, Triticeae, Hordeum.
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Normalisation of cereal endosperm EST libraries for structural and functional genomic analysis
Plant Mol. Biol. Rep. 18, 123-132 (2000)
Contact: Bill Taylor
              Hordeum vulgare subsp. vulgare
Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae;
Pooideae; Triticaee; Hordeum.
1 (bases 1 to 42)
Ali,5, Holloway,B. and Taylor,W.C.
Normalisation of cereal endosperm EST libraries for structural and functional genomic analysis
Plant Mol. Biol. Rep. 18, 123-132 (2000)
Contact: Bill Taylor
Commonwealth Scientific and Industrial Research Organisation
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CSIRO Plant Industry, GPO Box 1600, Canberra, ACT 2601, Australia Tel: 61 2 6246 5223
                                                                                                                                                                                                                                                                                                                                         Division of Plant Industry.
CSIRO Plant Industry, GPO Box 1600, Canberra, ACT 2601, Australia
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Pred. No. 5.8;
0; Mismatches 1; Indels
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Fax: 61 2 6246 5203
Email: Bill.Taylor@csiro.au
Seq primer: M13 reverse primer
High quality sequence stop: 42.
Location/Qualifiers
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Best Local Similarity 97.5%;
Matches 39; Conservative
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CV060361/c
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                                ORGANISM
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                                                                                                                                           REFERENCE
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EST 24-AUG-2004

Gaps

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/tissue types"endosperm"
/dev stage="developing endosperm tissue 10, 12, 15 dpa
/dev stage="developing endosperm tissue 10, 12, 15 dpa
/dev stage="developing endosperm tissue 10, 12, 15 dpa
/dab_host="DH10B (Life Technology)"
/lone libb=Barley EST endosperm library"
/clone libb=Barley EST endosperm lissues of the Barley cultivar
/note="Vector: ZipLox; Site 1: Sal I; Site 2: Not I; mRNA
was prepared from endosperm tissues of the Barley cultivar
Himalaya. CDNA was synthesised from pooled 10, 12, and 15
dpa endosperm using Not I-oligo(dT)18 primer/adapter
(Pharmacia Biotech), and then ligated to the Sal I-Not I
site of ZipLox vector (Life Technology) after adding a
Sal I-Xho I adapter (Stratagene). Constructed by Shahjahan
Ali and Bill Taylor."
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Bukaryora, Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;

Bukaryora; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;

Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae;

Pooideae; Triticee; Magnoliophyta; Liliopsida; Poales; Poaceae;

Pooideae; Triticee; Magnoliophyta; Liliopsida; Poales; Poaceae;

I (bases 1 to 47)

Is Ali,S, Holloway, B. and Taylor, W.C.

Normalisation of cereal endosperm EST libraries for structural and functional genomic analysis

Longalisation of cereal endosperm EST libraries for structural and functional genomic analysis

Longalisation of cereal endosperm EST libraries for structural and functional genomic analysis

Contact: Blll Taylor, Nep. 18, 123-132 (2000)

Contact: Blll Taylor

Commonwealth Scientific and Industrial Research Organisation

Commonwealth Scientific and Industrial Research Organisation

Commonwealth Scientific and Industrial Research Organisation

Cisto Plant Industry, GPO Box 1600, Canberra, ACT 2601, Australia

Tel: 61 2 6246 5000

Email: Bill.Taylor@csito.au

Seq primer: Mill reverse primer

High quality sequence stop: 4.
                                                                                                                                                                                                                                                                                                                                                CV055836 47 bp mRNA linear EST 24-AUG-2004 BNEL124a12 Barley EST endosperm library Hordeum vulgare subsp. vulgare cDNA clone BNEL124a12 5' similar to Unknown Function, mRNA
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White the CVG and Company Service of Service Service
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               4; Indels
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llarity 90.5%; Pred. No. 8.9;
Conservative 0; Mismatches
           0; Mismatches
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/db_xref="taxon:112509"
/clone="BNEL124a12"
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/cultivar="Himalaya"
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CV055836.1 GI:51518975
           38; Conservative
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Best Local Similarity
Matches 38, Conserva
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CV061673
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CV055836/c
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/ Sub_ species="vulgate"

/ Sub_ species="vulgate"

/ Clone="BNELGIN4"

/ Clone="Rubeloping endosperm tissue 10, 12, 15 dpa

/ dev_stage="developing endosperm tissue 10, 12, 15 dpa

/ dev_stage="developing endosperm tissue 10, 12, 15 dpa

/ days post anthesis"

/ lab_host="BHIOB (Life Technology)"

/ lab_host="BHIOB (Life Technology)"

/ clone="Lb="Barley ST endosperm library"

/ clone="Voctor: ZipLox; Site_1: Sal I; Site_2: Not I; mRNA

was prepared from endosperm tissues of the Barley cultivar

Himalaya. CDNA was synthesised from pooled 10, 12, and 15

dpa endosperm using Not I-oligo(dT)18 primer/adapter

(Pharmacia Biotech), and then ligated to the Sal I-Not I

site of ZipLox vector (Life Technology) after adding a

Sal I-Xho I adapter (Stratagene). Constructed by Shahjahan

Ali and Bill Taylor:"
(days post anthesis)"

Jab host="DH108 (Life Technology)"
/clone="lob="Barley EST endosperm library"
/note="Vector: ZipLox; Site_1: Sal 1; Site_2: Not I; mRNA was prepared from endosperm tissues of the barley cultivar Himalays. CDNA was synthesised from pooled 10, 12, and 15 dips endosperm using Not I-oligo(dT)18 primer/adapter (Pharmacia Biotech), and then ligated to the Sal I-Not I site of ZipLox vector (Life Technology) after adding a Sal I-No I adapter (Stratagene). Constructed by Shahjahan Ali and Bill Taylor."
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Hordeum vulgare subsp. vulgare
Bukaryota, Viridiplantae, Streptophyta; Embryophyta; Tracheophyta;
Bukaryota, Viridiplantae, Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae;
Pooldeae; Triticeae; Hordeum.
1 (basea; Triticeae; Hordeum.
1 (basea; Lto 44)
11. S, Holloway, B. and Taylor, W.C.
Normalisation of cereal endosperm EST libraries for structural and Functional genomic analysis
Fluctional genomic analysis
Fluctional genomic analysis
Contact: Bill Taylor
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Division of Plant Industry.

SIRO Plant Industry, GPO Box 1600, Canberra, ACT 2601, Australia Tel: 61 2 6246 5233

Fax: 61 2 6246 5000
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BNEL61h4 Barley EST endosperm library Hordeum vulgare subsp.
vulgare cDNA clone BNEL61h4 5' similar to Unknown Function, mRNA
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    .44
        /organism="Hordeum vulgare subsp. vulgare"
        /mol type="mRNA"
        /culTivar="Himalaya"

                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         4; Indels
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Pred. No. 8.6;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Pred. No.
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Seg primer: M13 reverse primer
High quality sequence stop: 44.
Location/Qualifiers
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Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             39;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Best Local
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DEFINITION
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AUTHORS
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/note="Vector: ZipLox; Site_1: Sal I; Site_2: Not I; mRNA
/note="Vector: ZipLox vector (Life Technology) after adding a
site of ZipLox vector (Life Technology) after adding a
Sal I-Xho I adapper (Stratagene). Constructed by Shahjahan
Ali and Bill Taylor."
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Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae;
Pooideae; Triticae; Triticum.

1 (bases 1 to 38)
Sali, S. Holloway, B. and Taylor, W.C.
Ali, S. Holloway, B. and Taylor, W.C.
Normalisation of cereal endosperm EST libraries for structural and functional genomic analysis
plant Mol. Biol. Rep. 18, 123-132 (2000)
Contact: Bill Taylor
Commonwealth Scientific and Industrial Research Organisation
Division of Plant Industry.
CSIRO Plant Industry, GPO Box 1600, Canberra, ACT 2601, Australia
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GPO Box 1600, Canberra, ACT 2601, Australia
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/dev_stage="developing endosperm tissue 6, 8, 10
post_anthesis)"
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/organism="Triticum aestivum"
                                                                                                                                                                                                                    organism="Triticum aestivum"
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Pred. No. 9.4;
0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Tel: 61 2 6246 5223
Fax: 61 2 6246 5000
Email: Bill.Taylor@csiro.au
Seg primer: M13 reverse primer
High quality sequence stop: 38.
Location/Qualifiers
                                       Tel: 61 2 6246 5223
Fax: 61 2 6246 5000
Email: Bill.Taylor@ceiro.au
Seq primer: M13 reverse primer
High quality sequence stop: 43.
Location/Qualifiers
                                                                                                                                                                                                                                             /mol type="mRNA"
/cultivar="Hartog"
/db xref="taxon:4565"
/clone="WNEL30e11"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Triticum aestivum (bread wheat)
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/cultivar="Hartog"
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                CSIRO Plant Industry,
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Best Local Similarity
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CV064759
LOCUS
DEFINITION
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KEYWORDS
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AUTHORS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          /sub_species="vulgare"
/sub_species="vulgare"
/db xref="taxon:11250"
/clone="BNEL70f11"
/tissue_type="endosperm"
/dev stage="developing endosperm tissue 10, 12, 15 dpa
/days post anthesis)"
/lab host="Pul10B (Life Technology)"
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/clone lib="Barley EST endosperm library"
/clone lib="Parley EST endosperm lissues of the Barley cultivar was prepared from endosperm lissues of the Barley cultivar Himalaya. CDNA was Synthesised from pooled 10, 12, and 15 dpa endosperm using Not I-oligo(dT)18 primer/adapter (pharmacia Biotech), and then ligated to the Sal I-Not I (pharmacia Biotech), and then ligated to the Sal I-Not I site of Ziplox vector (life Technology) after adding a Sal I-Xho I adapter (Stratagene). Constructed by Shahjahan Ali and Bill Taylor."
                                                                              EST:
Hordeum vulgare subsp. vulgare
Bukaryophyta; Embryophyta; Tracheophyta;
Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Elvaryota; Viridiplantae; Streptophyta; Embryophyta; Poaceae;
Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae;
Elvarelioteae; Hordeum.
Elvarelionay, B. and Taylor, W.C.
Normalisation of cereal endosperm EST libraries for structural and functional genomic analysis
Functional genomic analysis
Contact: Bill Taylor
Commonwealth Scientific and Industry.
Contact: Bill Taylor
Commonwealth Scientific and Industry.
CSIRO Plant Industry, GPO Box 1600, Canberra, ACT 2601, Australia
Tel: 61 2 6246 5223
Fax: 61 2 6246 5223
Fax: 61 2 6246 5223
Fax: 61 2 6246 5200
Email: Bill.Taylor@csiro.au
Seq primer: Mil reverse primer
High quality sequence stop: 47.
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CV066153 HARD ST 24-AUG-2004 WNEL30ell Wheat EST endosperm library Triticum aestivum cDNA clone WNEL30ell 5' similar to Unknown Function, mRNA sequence.
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1 (bases Triticeae; Triticum.

1 (bases 1 to 43)

Ali; S. Holloway, B. and Taylor, W.C.

Normaliaation of cereal endosperm EST libraries for structural and functional genomic analysis
Plant Mol. Biol. Rep. 18, 123-132 (2000)
Contact: Bill Taylor
Contact: Bill Taylor
Commonwealth Scientific and Industrial Research Organisation
Division of Plant Industry.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            'organism="Hordeum vulgare subsp. vulgare"
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; Pred. No. 8.9;
0; Mismatches
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Triticum aestivum
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           /mol_type="mRNA"
/cultivar="Himalaya"
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                                    CV061673.1 GI:51524812
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nes 38; Conservative
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ESY.

Triticum aestivum (bread wheat)

SM Triticum aestivum

Enkaryota; Viridiplantee; Streptophyta; Embryophyta; Tracheophyta;

Enkaryota; Viridiplantee; Streptophyta; Embryophyta; Tracheophyta;

Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae;

Pooideae; Triticeae; Triticum

Triticeae; Triticeae; Triticum

SS Ali,S, Holloway,B. and Taylor,W.C.

Normalisation of cereal endosperm EST libraries for structural and functional genomic analysis

AL Plant Mol. Balol. Rep. 16, 123-132 (2000)

Contact: Bill Taylor

Commonwealth Scientific and Industrial Research Organisation

Division of Plant Industry,

CSIRO Plant Industry, GPO Box 1600, Canberra, ACT 2601, Australia
                                                                                                                                                                                                                                          http://baygenomics.ucsf.edu/
Unpublished (2001)
Contact: BayGenomics
Bay Area Functional Genomics Consortium (BayGenomics)
Email: info@baygenomics.ucsf.edu
Sequence tag generated by S' RACE of total RNA from gene trap ES
sequence tag generated by S' RACE of total RNA from gene trap ES
cell line. ES cell lines harboring insertion mutation of target
gene are available upon request from BayGenomics. Annotation
information available from
CELL_LINE&KEY=BGA402
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WNELLID6 Wheat EST endosperm library Triticum aestivum cDNA clone WNELLID6 5' similar to Unknown Function, mRNA sequence.
CV064457.1 GI:51527634
                                                                                                                                                   Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia, Eutheria, Rodentia, Sciurognathi, Muridae, Murinae, Mus. 1 (bases 1 to 42)
BayGenomics.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            /cell_type="Embryonic stem cell"
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/note="Vector: pGT1Lxf"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
0.7%; Score 33.6; D
Best Local Similarity 90.0%; Pred. No. 11;
Matches 36; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       /organism="Mus musculus"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Tel: 61 2 6246 5223
Fax: 61 2 6246 5200
Email: Bill.Taylor@ceiro.au
Seg primer: M13 reverse primer
High quality sequence stop: 40.
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             /db_xref="taxon:10090"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  /mol_type="mRNA"
/strain="129 ola"
                                                                                                 Mus musculus (house mouse)
Mus musculus
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                                CW509301 GI:53838806
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        /sex="Male"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Class; Gene Trap
            mRNA sequence.
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/lab_host="DH10B (Life Technology)"

/clone lib="Wheat EST endosperm library"

/note="Vector: ZipLox; Site 1: Sal I; Site 2: Not I; mRNA was prepared from endosperm Lisaues of the wheat cultivar Hartog. CDNA was synthesised from pooled 6, 8, and 10 dpa endosperm using Not I-oligo (dT)18 primer/adapter (Pharmacia Biotech), and then ligated to the Sal I-Not I (Pharmacia Elox vector (Life Technology) after adding a Sal I-Xho I adapter (Stratagene). Constructed by Shahjahan Ali and Bill Taylor."
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This is the 5' sequence of the clone insert. Clone from S. Wiemann,
Molecular Genome Analysis, German Cancer Research Center (DKFZ);
Email s.wiemanna@kfz-heidelberg.de; rlin, Germany. Please contact
RZPD for ordering:
http://www.rzpd.de/cgi-bin/products/cl.cgi?CloneID=DKFZp469F0617
Further information about the clone and the sequencing project is
available at http://mips.gsf.de/projects/cdna/.
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Pongo pygmaeus
Pongo pygmaeus
Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Pongo.
1 (Dases 1 to 40)
Ansorge,W., Krieger,S., Regiert,T., Rittmueller,C., Schwager,B.,
Mewes,H.W., Well,B., Amid,C., Osanger,A., Fobo,G., Han,M. and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    /note="Vector: pSport1_Sf1; Site_1: SfilA; Site_2: SfilB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Pongo pygmaeus mRNA (Ansorge, W., Krieger, S., Regiert, T., et al.)
Unpublished (2004)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         DKFZP469F0617_r1 469 (synonym: pkidl) Pongo pygmaeus cDNA clone
DKFZp469F0617_5', mRNA sequence.
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                                                                                                                                                                                                                                                                        DB 1; Length 38;
                                                                                                                                                                                                                                                                                                                     1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               /organism="Pongo pygmaeus"
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/dev_etage="adult"
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/clone_lib="469 (synonym: pkid1)"
                                                                                                                                                                                                                                                                                                                                                                  5032 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAACTC 5067
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Best Local Similarity 97.2'
Matches 35; Conservative
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Best Local Similarity 97.23
Matches 35; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Contact: MIPS
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CR762707
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Gaps

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/organism="Triticum aestivum"
/organism="Triticum aestivum"
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/mol type="mRNA"
/cultivaz="Hartog"
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/dev_stage="developing endosperm"
/lab host="mhoat EST endosperm library"
/lab host="wheat EST endosperm library"
/clone lib="wheat EST endosperm lissues of the wheat cultivar was prepared from endosperm lissues of the wheat cultivar was prepared from endosperm lissues of the wheat cultivar marcog cDNA was synthesised from pooled 6, 8, and 10 dpa Hartog. cDNA was synthesised from pooled 6, 8, and 10 dpa endosperm using Not I-oligo(dT)18 primer/adapter endosperm lisue of Ziplox vector (Life Technology) after adding a site of Ziplox vector (Life Technology) after adding a site of Ziplox vector (Extatagene). Constructed by Shahjahan Ali and Bill Taylor."
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Enkaryota, Viridiplantae; Streptophyta; Embryophyta; Tracheophyta; Enkaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta; Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae; Pooideae; Triticeae; Normaliaation of cereal endosperm EST libraries for structural and functional genomic analysis

AL Normaliaation of cereal endosperm EST libraries for structural and functional genomic analysis

AL Plant Mol. Biol. Rep. 18, 123-132 (2000)

Contact: Bill Taylor

Contact: Bill Taylor

Contact: Bill Taylor

Contact: Bill Taylor

Commonwealth Scientific and Industrial Research Organisation

Division of Plant Industry, GPO Box 1600, Canberra, ACT 2601, Australia Tel: 61 2 6246 5203

Fax: 61 2 6246 5203
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                                                                                                                                                                                                                                                                                                                                              CV066718 WNEL7d3 Wheat EST 24-AUG-2004 WNEL7d3 Wheat EST endosperm library Triticum aestivum CDNA clone WNEL7d3 5' similar to Unknown Function, mRNA sequence.
Sal I-Xho I adapter (Stratagene). Constructed by Shahjahan Ali and Bill Taylor."
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                                                                              41;
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                                                                              1; Length
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Pred. No. 12;
0; Mismatches
                                                                              ch 0.6%; Score 32.8; D Smilarity 94.4%; Pred. No. 12; 34; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Email: Bill.Taylor@csiro.au
Seg primer: M13 reverse primer
High quality sequence stop: 36.
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Triticum aestivum (bread wheat)
Triticum aestivum
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Matches 33; Conserv
                                                                                           Query Match
Best Local Similarity
Matches 34; Conserv
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CV066327
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CV066718
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/lat_host="DH10B (life Technology)"
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/clone lib="Wheat EST endosperm library"
/clone lib="wheat EST endosperm Lissues of the wheat cultivar was prepared from endosperm Lissues of the wheat cultivar Hartog. cDNA was synthesised from pooled 6, 8, and 10 dpa endosperm using Not I-oligo(dT)18 primer/adapter (Pharmacia Biotech), and then ligated to the Sal I-Not I (Pharmacia Biotech), and then ligated to the Sal I-Not I site of Ziplox vector (Life Technology) after adding a site of Ziplox vector (Exratagene). Constructed by Shahjahan Ali and Bill Taylor."
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Cornactional genomic analysis
Plant Mol. Biol. Rep. 18, 123-132 (2000)
Contact: Bill Taylor
Commonwealth Scientific and Industrial Research Organisation
Division of Plant Industry.
CSIRO Plant Industry, GPO Box 1600, Canberra, ACT 2601, Australia
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Hordeum vulgare subsp. vulgare
Sukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae;
Pooideae; Triticeae; Hordeum.
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BNELL113G2 Barley EST endosperm library Hordeum vulgare subsp.
vulgare cDNA clone BNELL113G2 5' similar to Unknown Function, mRNA
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/mol type="mRNA"
/cultivar="Himalaya"
                                                                                                                                                                                                                                                                                                                                                                                                                                                   0.7%; Score 33.4; DB 1; Length 40; 97.1%; Pred. No. 11; ative 0; Mismatches 1; Indels
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Fax: 61 2 6246 5000
Email: Bill.Taylor@csiro.au
Seq primer: M13 reverse primer
High quality sequence stop: 41.
Location/Qualifiers
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CV054826.1 GI:51517847
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Best Local Simi
Matches 34;
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CV054826
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Hordeum vulgare subsp. vulgare

Hordeum vulgare subsp. vulgare

ENKarycota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;

Byermatophyta; Magnollophyta; Liliopsida; Poales; Poaceae;

Pooideae; Triticeae; Hordeum.

Spermatophyta; Magnollophyta; Liliopsida; Poales; Poaceae;

Roideae; Triticeae; Hordeum.

Magnollophyta; Magnollophyta; Liliopsida; Poales; Poaceae;

Ali,S, Holloway, B. and Taylor, W.C.

Normalisation of cereal endosperm EST libraries for structural and functional genomic analysis

AL Flant Mol. Blol. Rep. 18, 123-132 (2000)

Contact: Bill Taylor

Conmonwealth Scientific and Industrial Research Organisation

Division of Plant Industry, GPO Box 1600, Canberra, ACT 2601, Australia
                                                                                                                                                                                                                                                                                     /mol type="mRNA"
/cultivar="Bluecrop"
/cultivar="Bluecrop"
/cultivar="Bluecrop"
/cultivar="Bluecrop"
/cultivar="Bluecrop"
/cigue type="Flower buds including bud scales"
/clone lib="CDNA non acclimated Bluecrop library"
/clone lib="CDNA non acclimated Bluecrop library"
/clone lib="CDNA non acclimated Bluecrop library
/corymbosum cv. Bluecrop, RNA for preparation of library
was extracted from flower buds collected in the fall from
non acclimated plants"
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/dev stage="tanthesia"
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/note="Vector: _ZipLox; Site_1: Sal I; Site_2: Not I; mRNA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
                   Fruit Lab
US Department of Agriculture (USDA), ARS, PSI
Bldg 010A, 10300 Baltimore avenue, BARC West, Beltsville, MD
20705-2350, USA
Tel: 301-504-5654
Fax: 301-504-5653
Email: rowlandioba.ars.usda.gov.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            DB 1; Length 36;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          3; Indels
                                                                                                                                                                                                                                                                        /organism="Vaccinium corymbosum"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 30.4; D
Pred. No. 15;
0; Mismatches
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Fax: 61 2 6246 5000
Email: Bill.Taylor@csiro.au
Seq primer: M13 reverse primer
High quality sequence stop: 37.
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/db_xref="taxon:112509"
/clone="BNEL118a11"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CV055204.1 GI:51518306
  Contact: Rowland, L.J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      cn 0.6%;
1 Similarity 91.2%;
31; Conservative
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Best Local S:
Matches 31
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CV055204
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/dev_stage="endosperm"
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/clone_lib="Wheat EST endosperm lisrary"
/note="Weetor: ZipLox; Site 1: Sal I; Site 2: Not I; mRNA was synthesised from pooled 6, 8, and 10 dpa endosperm using Not I-oligo(dT)18 primer/adapter
Hartog. cDNA was synthesised from pooled 6, 8, and 10 dpa endosperm using Not I-oligo(dT)18 primer/adapter
(Pharmacia Biotech), and then ligated to the Sal I-Not I site of ZipLox vector (life Technology) after adding a Sal I-Xho I adapter (Stratagene). Constructed by Shahjahan Ali and Bill Taylor."
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36 bp mRNA linear EST 26-AUG-2004
NA1112 R cDNA non acclimated Bluecrop library Vaccinium corymbosum
CDNA 37, mRNA sequence.
CV091545
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                                                                                             Triticum aestivum (bread wheat)
Triticum aestivum
Eukaryota, Viridiplantae, Streptophyta, Embryophyta, Tracheophyta,
Spermatophyta, Magnoliophyta, Liliopsida, Poales, Poaceae,
Pooideae, Triticeae, Triticum.
                                                                                                                                                                                                                                                       Ali,S. Holloway,B. and Taylor,W.C.
Normalisation of cereal endosperm EST libraries for structural and functional genomic analysis
Plant Mol. Biol. Rep. 18, 123-132 (2000)
Contact: Bill Taylor
Commonwealth Scientific and Industrial Research Organisation
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Vaccinium corymbosum
Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
                                                                                                                                                                                                                                                                                                                                                                                                                 Division of Plant Industry.
CSIRO Plant Industry, GPO Box 1600, Canberra, ACT 2601, Australia
Tel: 61 2 6246 5223
Tel: 61 2 6246 5223
Exa: 61 2 6246 5223
Exai: 61 2 6246 5223
Exai: 8111. Taylor@csiro.au
Seq primer: M13 reverse primer
High quality sequence stop: 35.
Location/Qualifiers
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Dhanaraj,A.L., Alkharouf,N.W., Beard,H.S., Chouikha,I.B.,
Matthews,B.F. and Rowland,L.J.
Monitoring gene expression changes during cold acclimation of blueberry (Vaccinium corymbosum L.) using a cDNA microarray
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
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asterids; Ericales; Ericaceae; Vaccinioideae; Vaccinieae;
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WNEL32e2 5' similar to Unknown Function, mRNA sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0.6%; Score 31.4; DB 1; Length 35; 97.0%; Pred. No. 13; ative 0; Mismatches 1; Indels
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/mol_type="mRNA"
/cultivar="Hartog"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 /db_xref="taxon:4565"
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                                              CV066327.1 GI:51529504
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Unpublished (2004)
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Best Local Similarity
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CV091545/c
                                                 VERSION
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/tissue_rype="endosperm"
/tissue_rype="endosperm"
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/lab_host="DH108 [life Technology)"
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/clone lib="Wheat EST endosperm lissue; it, Site_2: Not I; mRNA/note="Vector: ZipLox; Site_1: Sal I; Site_2: Not I (Pharmacia Biotech), and then ligated to the Sal I-Not I (Pharmacia Biotech), and then ligated to the Sal I-Not I site of ZipLox vector (Life Technology) after adding a site of ZipLox vector (Exatagene). Constructed by Shahjahan Ali and Bill Taylor."
                                                                    Hordeum vulgare subsp. vulgare
Hordeum vulgare subsp. vulgare
Bukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae;
Pooideae; Triticeae; Hordeum.
1 (bases 1 to 31)
Ali,S, Holloway,B. and Taylor,W.C.
Normalisation of cereal endosperm EST libraries for structural and functional genomic analysis
Functional genomic analysis
Plant Mol. Biol. Rep. 18, 123-132 (2000)
Contact: Bill Taylor.
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BNEL32a8 Barley EST endosperm library Hordeum vulgare subsp.
vulgare cDNA clone BNEL32a8 5' similar to Unknown Function, mRNA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                         /mol_type="mRNA"
/cultivar="Hartog"
/db_xref="taxon:4565"
/clone="WNEL10h12"
                                                Triticum aestivum (bread wheat)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          sequence.
CV057897
CV057897.1 GI:51521036
           GI:51527609
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Best Local Similarity 93.9
Matches 31; Conservative
               CV064432.1
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CV057897
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                                                                                                                                                                  AUTHORS
TITLE
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was prepared from endosperm tissues of the barley cultivar Himalaya. CDNA was synthesised from pooled 10, 12, and 15 dpa endosperm using Not I-oligo(dT)18 primer/adapter (Pharmacia Biotech), and then ligated to the Sal I-Not I site of ZipLox vector (Life Technology) after adding a Sal I-No I adapter (Stratagene). Constructed by Shahjahan Ali and Bill Taylor."
                                                                                                                                                                                                                                                                                                                                                       CW020481
GC0748 TIGEM gene trap library Mus musculus CDNA clone A015.C10,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Email: cobellisotigem.it Sequence tag generated by 5' RACE of total RNA from gene trap ES Sequence tag generated by 5' RACE of settion mutation of target cell line. ES cell lines harboring insertion mutation of target gene are available upon request from TIGEM. Annotation information available from TIGEM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Eukaryota; Metazoa; Rodentia; Sciurognathi; Muridae; Murinae; Mus. 1 (bases 1 to 30)
Cobellis,G., Nicolaus,G., Marra,E., Barbarisi,M., Sardiello,M., Di Giorgio,F.P., Iovino,N., Zollo,M., Ballabio,A. and Cortese,R. Tagging genes with cassette-exchange sites
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                                                                                                                                                    DB 1; Length 37;
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/cell_line="El4"
/clone_lib="TIGEM gene trap library"
/note="Vector: pFLIP1"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Via P. Castellino, 111, 80131 NAPOLI, ITALY
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larity 96.9%; Pred. No. 15;
Conservative 0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   /mol_type="mRNA"
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/db_xref="taxon:10090"
/clone="A015.C10"
/sex="male"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 30;
Pred. No.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Mus musculus (house mouse)
                                                                                                                                                                                                                                                                                                                                                                                                                                        CW020481.1 GI:52789741
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Tel: +390816132205
Fax: +390815790919
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Class: Gene Trap.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Contact: TIGEM
                                                                                                                                                                                                                                                                                                                                                                                                        mRNA sequence.
CW020481
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                                                                                                                                                                             Best Local Similarity
Matches 31; Conserv
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In manual charts and the manual contact will be made manual contact. Wilson RK Washington University School of Medicine
Washington University School of Medicine
4444 Forest Parkway, Box 8501, St. Louis, MO 63108
Tel: 314 286 1810
Fax: 314 286 1810
Email: estewataon.wustl.edu
Insert Size: 2331
High quality sequence starts: 1 High quality sequence stops: 1
Source: IMAGE Consortium, Linl This clone is available royalty-free through Linl,; contact the IMAGE Consortium (info@image.llnl.gov)
for further information. Trace considered overall poor quality
Insert Length: 2331 Std Error: 0.00
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   /dec_roward.
//dec_roward.
//d
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       EST 04-MAY-1995
                                         /clone_lib="OsHDACI-overexpressing transgenic rice lambda phage cDNA library [(HDA1)"
/note="Vector: pBluescript SK(+); Site 1: EcoRI; Site 2: XhoI; Callus was treated with ABA(20um) for lhour. cDNA ass inserted into lambda Unit-ZAP XR vector at 5' end with EcoRI and 3' end with XhoI site. mRNA was derived from rice Histone Deacetylase overexpression line."
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo. I (bases 1 to 33)
Hillier,L., Clark,N., Dubuque,T., Elliston,K., Hawkins,M., Holman,M., Hultman,M., Kucaba,T., Le,M., Lennon,G., Marra,M., Parsons,J., Rifkin,L., Rohlfing,T., Soares,M., Tan,P., Treyaskis,E., Waterston,R., Williamson,A., Wohldmann,P. and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 yd03g06.81 Soares infant brain INIB Homo sapiens cDNA clone IMAGE:24658 3' similar to gb:A18658 INSULIN RECEPTOR PRECURSOR (HUMAN);, mRNA sequence.
                                                                                                                                                                                                                                                                                                                                           0.5%; Score 27; DB 1; Length 28;
                                                                                                                                                                                                                                                                                                                                                                                                                   0; Indela
                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity 100.0%; Pred. No. 20;
Matches 27; Conservative 0; Mismatches
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/mol_type="mRNA"
/db_xref="GDB:397005"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 CCCGGCTGCAGAATTCGGCACGAGG 27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        7 CCCGGGCTGCAGGAATTCGGCACGAGG 33
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/clone="IMAGE:24658"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Insert Length: 2331
Seg primer: -21m13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Homo sapiens (human)
Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          R38731.1 GI:796187
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R38731/c
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AUTHORS
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                                                                                                                                                                                                                                                                                                                                                                                                                                   / Sub species="volgate"

/ Sub species="volgate"

/ Ab xref="taxon:112509"

/ Clone="BNE12248"

/ Lisue_type="endosperm"

/ Lisue_type="endosperm"

/ dev_stage="developing endosperm tissue 10, 12, 15 dpa

/ dab_host="BH10B (Life Technology)"

/ lab_host="BH10B (Life Technology)"

/ lab_host="BH10B (Life Technology)"

/ clone lib="Barley EST endosperm library"

/ clone lib="Barley EST endosperm Lisaues of the Barley cultivar

/ note="Vector: _ZipLox; Site_1: Sal I; Site_2: Not I; mRNA

was prepared from endosperm tissues of the Barley cultivar

Himalaya synthesise (from pooled 10, 12, and 15

dpa endosperm using Not I-oligo(dT) 18 primar/adapter

(Pharmacia Biotech), and then ligated to the Sal I-Not I

site of _ZipLox vector (Life Technology) after adding a

Sal I-Xho I adapter (Stratagene). Constructed by Shahjahan

Ali and Bill Taylor:"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Cyza sativa (japonica cultivar-group)

Oryza sativa (japonica cultivar-group)

Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta; Spermatophyta; Midplantae; Streptophyta; Embryophyta; Tracheophyta; Spermatophyta; Midplantae; Streptophyta; Liliopsida; Poales; Poaceae; Ehrhartoideae; Oryzeae; Oryza.

E 1 (bases 1 to 28)

E 1 (bases 1 to 28)

E 1 (kases 1 to 28)

E 2 (sages cale Sequencing P.J., Kim,M.J., Lee,T.H., Shin,Y.C., Song,S.I., Kim,J.K., Kim,Y.-K. and Nahm,B.H.

Large-scale Sequencing Analysis of Rice ESTs
Unpublished (2003)

Contact: Nahm B.H.

Genomics and Genetics Institute, GreenGene Biotech Inc.; Division of Bioscience and Bioinformatics, MyongJi University

Yongin, Kyeonggi, Korea

Tel: 82 31 313 0 6433

Eax: 82 31 321 6355

Basil: bhnahm@ggblo.com, bhnahm@bio.myongji.ac.kr.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     HDA1--01-C11.g1 OBHDAC1-overexpressing transgenic rice lambda phage cDNA library I (HDA1) Oryza sativa (japonica cultivar-group) cDNA CElone HDA1--01-C11, mRNA sequence.
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                                      Box 1600, Canberra, ACT 2601, Australia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
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/mol_type="mRNA"
/cultivar="Nackdong"
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                                                                                                                                                                                                                                                                                                                                           'organism="Hordeum vulgare subsp. vulgare"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 29.4; I
Pred. No. 16;
Division of Plant Industry.
CSIRO Plant Industry, GPO Box 160
Tel: 61 2 6246 5223
Fax: 61 2 6246 5000
Email: Bill.Taylor@csiro.au
Seq primer: Mil reverse primer
High quality sequence stop: 31.
Location/Qualifiers
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/clone="HDA1--01-C11"
/tissue_type="callus"
                                                                                                                                                                                                                                                                                                                                                                      /mol_type="mRNA"
/cultivar="Himalaya"
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VERSION KEYWORDS SOURCE ORGANISM

REFERENCE AUTHORS

TITLE

JOURNAL

COMMENT

FEATURES

DEFINITION

ACCESSION

RESULT 33 CV066570

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/clone lib="Soarse thymus_ZNbWT"
/clone lib="Soarse thymus_ZNbWT"
/note="Vector: pr773D-Pac (Pharmacia) with a modified
/note="Vector: pr773D-Pac (Pharmacia) with a modified
/note="Vector: pr773D-Pac (Pharmacia) with a Not I; Site 2: Eco RI; lst strand cDNA
was primed with a Not I - oligad(dr) primer [5'
was primed with a Not I - oligated to Eco RI adaptors
7; double-stranded cDNA was ligated to Eco RI adaptors
3'); double-stranded cDNA was ligated to Eco RI adaptors
and Eco RI sites of the modified pr773 vector. RNA
provided by Dr. Bertrand Jordan. Library went through two
rounds of normalization, and was constructed by Bento
Soares and M.Fatima Bonaldo."
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Eukaryota; Metazoa; Chordata; Urochordata; Ascidiacea; Enterogona;
Phlebobranchia; Cionidae; Ciona.
                                                                                                                                                      1 (bases 1 to 31)
Marra,M., Hillier,L., Allen,M., Bowles,M., Dietrich,N., Dubuque,T., Geisel,S., Kucaba,T., Lacy,M., Le,M., Martin,J., Morris,M., Schellenberg,K., Steptoe,M., Tan,F., Underwood,K., Moore,B., Theising,B., Wylle,T., Lennon,G., Soares,B., Wilson,R. and
                                                                                                             Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;
Mammalia; Butheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              This clone is available royalty-free through LLNL ; contact the IMAGE Consortium (info@image.llnl.gov) for further information. MGI:693221
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      BW588370 Yutaka Satou unpublished cDNA library (csefi) Ciona savignyi cDNA clone csef003122 5', mRNA sequence.
BW588370. GI:51839170
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Trace considered overall poor quality
Possible reversed clone: similarity on wrong strand
Seq primer: -28ml3 rev2 ET from Amersham
High quality sequence stop: 1.
Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                                    Contact: Marra M/Mouse EST Project
WashU-HHMI Mouse EST Project
Washington University School of MedicineP
4444 Forest Park Parkway, Box 8501, St. Louis, I
Tel: 314 286 1800
Fax: 314 286 1810
Email: mouseest@watson.wustl.edu
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               DB 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               4068 TTGGGACATGAGGTTCCAGTTGCCAATTTCA 4098
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/organism="Mus musculus"
/mol_type="mRNA"
/strain="C57BL/6J"
                                                                                                                                                                                                                                                                                                                   The WashU-HHMI Mouse EST Project
Unpublished (1996)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          /db_xref="taxon:10090"
/clone="IMAGE:1344429"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    /tissue_type="Thymus"
/dev_stage="4 weeks"
/lab_host="DH10B"
                                                                       Mus musculus (house mouse)
                        GI:3682084
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      /sex="male"
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                                                                                                           Mus musculus
                        AI153615.1
AI153615
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Best Local S
Matches 27
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KEYWORDS
SOURCE
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BW588370/c
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JOURNAL
COMMENT
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AUTHORS
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/tissue_nwan_nate.
/tissue_type="endosperm"
/dev_stage="developing endosperm tissue 6, 8, 10 dpa (days post anthesis)"
/lab_host="bH10B (Life Technology)"
/lab_host="bH10B (Life Technology)"
/clone lib="Wheat EST endosperm library"
/clone lib="Wheat EST endosperm library"
/clone lib="Wheat EST endosperm lissues of the wheat cultivar was prepared from endosperm Tissues of the wheat cultivar Hartog. cDNA was synthesised from pooled 6, 8, and 10 dpa endosperm using Not I-oligo(dT)18 primer/adapter (Pharmacia Biotech), and then ligated to the Sal I-Not I site of ZipLox vector (Life Technology) after adding a site of ZipLox vector (Life Technology) After adding a sal I-Xho I adapter (Stratagene). Constructed by Shahjahan Ali and Bill Taylor."
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Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnollophyta; Liliopsida; Poales; Poaceae;
Pooideae; Triticae; Triticum.

S Ali, S Holloway, B. and Taylor, W.C.

Normalisation of cereal endosperm EST libraries for structural and functional genomic analysis
Plant Mol. Biol. Rep. 18, 123-132 (2000)
Contact: Bill Taylor
Contact: Bill Taylor
Contact: Bill Taylor
Contact: Bill Taylor
Commonwealth Scientific and Industrial Research Organisation
Division of Plant Industry.
CSIRO Plant Industry, GPO Box 1600, Canberra, ACT 2601, Australia
Tel: 61 2 6246 5000
Fax: 10 1 26246 5000
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                                                                                                                                                                                                                                                                                                                CV066570 31 bp mRNA linear EST 24-AUG-2004 WNELSfill Wheat EST endosperm library Triticum aestivum cDNA clone WNELSfill S' similar to Unknown Function, mRNA sequence.
CV066570.1 GI:51529747
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vz89f11.r1 Soares thymus 2NbMT Mus musculus cDNA clone
IMAGE:1344429 5' Similar to TR:Q99570 Q99570 ADAPTOR PROTEIN. ;,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
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                                   0.5%; Score 25; DB 1; Length 33;
84.8%; Pred. No. 28;
trive 0; Mismatches 5; Indels
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                                                                                                                                           1. .31
/organism="Triticum aestivum"
/mol type="mRNA"
/culTivar="Hartog"___
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                                                                                                                                                                               ACAAAAAAAAAAAAAAAAAATTC 29
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Email: Bill Taylor@csiro.au
Seg primer: M13 reverse primer
High quality sequence stop: 31.
Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                /db_xref="taxon:4565"
/clone="WNEL5f11"
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ilarity 92.9%;
Conservative (
                                                 Ouery Match
Best Local Similarity 84.8
Matches 28; Conservative
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Best Local S:
Matches 26
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01-SEP-2004

RESULT 34 AI153615 LOCUS DEFINITION

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Gaps

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/mol_type="mRNA"
/cultivar="Bluecrop"
/cultivar="Bluecrop"
/db xref="taxon:6950x6"
/tissue type="Flower buds including bud scales"
/dev_stage="Mature plants"
/dev_stage="Mature plants"
/clone lib="cDNA non acclinated Bluecrop library"
/note="Vector: pBluecrop; RNA; for preparation of library
was extracted from flower buds collected in the fall from
                                                                                                                                                              NAI103 R CDNA non acclimated Bluecrop library Vaccinium corymbosum CDNA 37 mRNA sequence.
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                                                                                                                                                                                                                                                                                                               Vaccinium corymbosum Vaccinium corymbosum Vaccinium corymbosum Varcinium corymbosum Varcinium corymbosum Varcinium corymbosum Sukaryota, Virialplantae, Streptophyta; Embryophyta; Tracheophyta; Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots; asterids; Ericales; Ericaceae; Vaccinioldeae; Vacciniese;
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Triticum aestivum
Triticum aestivum
Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae;
Pooideae; Triticeae; Triticum.
1 (bases 1 to 28)
Ali,S, Holloway,B. and Taylor,W.C.
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        Gaps
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Bldg 010A, 10300 Baltimore avenue, BARC West, Beltsville, MD
20705-2350, USA
Tel: 301-504-6654
Exx: 301-504-5653
Email: rowlandj@ba.ars.usda.gov.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Monitoring gene expression changes during cold acclimation oblueberry (Vaccinium corymbosum L.) using a cDNA microarray Unpublished (2004)
                                                                                                                                                                                                                                                                                                                                                                                                                                         1 (bases 1 to 28)
Dhanaraj,A.L., Alkharouf,N.W., Beard,H.S., Chouikha,I.B.,
Matthews,B.F. and Rowland,L.J.
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        2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    /organism="Vaccinium corymbosum"
        0; Mismatches
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                                               5024 TAAAAAAAAAAAAAAAAAAAAAAA
                                                                                                                                                                                                                                                                            CV091538.1 GI:51570877
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      24; Conservative
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Matches 24; Conserv
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CV091538/c
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CV065010
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                                                                                                                                                                                                                                                                                                                                                      /dev_stage="egg"
/clone_lib="Yutaka Satou unpublished cDNA library (csef1)"
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Tel: +390816132205
Exa: +390815790919
Email: cobellisetigem.it
Sequence tag generated by 5' RACE of total RNA from gene trap ES
equence are available upon request from TIGEM. Annotation information
available from TIGEM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus. 1 (basel 1 to 26)
Cobellis,G., Nicolaus,G., Marra,E., Barbarisi,M., Sardiello,M., Di Gorgio,F.P., Tovino,N., Zollo,M., Ballabio,A. and Cortese,R. Tagging genes with cassette-exchange sites
Unpublished (2004)
1 (bases 1 to 31)
Satou,Y., Shin-i,T., Kohara,Y. and Satoh,N.
Expressed genes in Ciona savignyi (Satou, Shin-i, Kohara, Satoh)
Unpublished (2004)
Contact: Yutaka Satou
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/cell_line="E14"
/clone_lib="TiGEM gene trap library"
/note="Vector: pFLIP1"
                                                                                                   Department of Zoology
Yoro University
Sakyotu, Kyoto, Kyoto 606-8502, Japan
Tel: 81-75-753-4095
Fax: 81-75-705-1113
Email: yutakaasacidian.zool.kyoto-u.ac.jp.
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                   0.5%; Score 24.4; D
96.2%; Pred. No. 29;
tive 0; Mismatches
                                                                                                                                                                                                                                                                    /organism="Ciona savignyi"
/mol_type="mRNA"
/db_xref="taxon:51511"
/clone="csef003122"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0.4%; Score 22.8; 1
92.3%; Pred. No. 33;
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/clone="A015.B4"
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/strain="129 ola"
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Best Local Similarity
Matches 25; Conserv
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Best Local Similarity
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/tinute="nubliable"
/tiscue_type="endosperm"
/des tage="developing endosperm tissue 6, 8, 10 dpa (days /dss tage="developing endosperm tissue 6, 8, 10 dpa (days post_anthesis)"
/lab_host="NH10B (life Technology)"
/lab_host="NH10B (life Technology)"
/clone lib="Wheat EST endosperm library"
/clone lib="Wheat EST endosperm lissues of the wheat cultivar was prepared from endosperm Tissues of the wheat cultivar was prepared from endosperm Tissues of the wheat cultivar Hartog. cDNA was synthesised from pooled 6, 8, and 10 dpa Hartog. cDNA was synthesised from pooled 6, 8, and 10 dpa Hartog. cDNA was synthesised from to the Sal 1. Not I (Pharmacia Biotech), and then ligated to the Sal 1.Not I site of Ziplox vector (Life Technology) after adding a site of Ziplox vector (Life Technology) after adding a site and Bill Taylor."
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CV064628 HNEL13b6 Wheat EST endosperm library Triticum aestivum cDNA clone WNEL13b6 S' similar to Unknown Function, mRNA sequence.
                                                         / Lieuward_True- varied callus on 2N6 media for 2 weeks" / dev_stage="proliferated callus on 2N6 media for 2 weeks" / dab_host="mo.coli SOLR" / clone lib="OsHDAC1-overexpressing transgenic rice lambda phage cDNA library [HDA4]" / Site_1: EcoRI; Site_2: note="Vector: pBluescript SK(+); Site_1: EcoRI; Site_2: XhoI; Callus was treated with ABA(Jounf) for lhour. cDNA was inserted into lambda Uni-ZAP XR vector at 5' end with ScoRI and 3' end with XhoI site. mRNA was derived from rice Histone Deacetylase overexpression line."
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Busaryota, Viridiplantae, Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae;
Pooldeae; Triticum.
I (Dases I to 23)
Ali, S, Holloway, B. and Taylor, W.C.
Normalisation of cereal endosperm EST libraries for structural and
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Plant Mol. Biol. Rep. 18, 123-132 (2000)

Contact: Bill Taylor

Commonwealth Scientific and Industrial Research Organisation

Cylivsion of Plant Industry.

CSIRO Plant Industry, GPO Box 1600, Canberra, ACT 2601, Australia

Tel: 61 2 6246 5223

Pax: 61 2 6246 5000
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                                                                                                                                                                                                                                                                                                                                               0.4%; Score 2v,
100.0%; Pred. No. 41;
1:ve 0; Mismatches
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/clone="WNEL13b6"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Email: Bill.Taylor@csiro.au
Seg primer: M13 reverse primer
High quality sequence stop: 23
Location/Qualifiers
db_xref="taxon:39947"
                            /clone="HDA1--01-C09"
/tissue_type="callus"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             /mol_type="mRNA"
/cultivar="Hartog"
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Best Local Similarity 100.
Matches 20; Conservative
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SOURCE
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     /tissue_type="endosperm"
/tissue_type="endosperm"
/dus_host="bulloping endosperm tissue 6, 8, 10 dpa (days post_anthesis)"
/lab_host="bullob (Life Technology)"
/lab_host="bullob (Life Technology)"
/clone lib="wheat EST endosperm library"
/clone lib="wheat EST endosperm lissues of the wheat cultivar was prepared from endosperm tissues of the wheat cultivar was prepared from endosperm tissues of the wheat cultivar Hartog. cDNA was synthesised from pooled 6, 8, and 10 dpa Hartog. cDNA was synthesised from pooled 6, 8, and 10 dpa endosperm using Not I-oligo(dT)18 primer/adapter (Pharmacia Biotech), and then ligated to the Sal I-Not I (pharmacia Biotech), and then ligated to the Sal I-Not I site of Ziplox vector (Life Technology) after adding a site of Ziplox vector (Eratagene). Constructed by Shahjahan Ali and Bill Taylor."
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   20 bp mRNA linear EST 15-AUG-2003 HDA1-01-C09.gl OsHDAC1-overexpressing transgenic rice lambda phage cDNA library I (HDA1) Oryza sativa (japonica cultivar-group) cDNA clone HDA1--01-C09, mRNA sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Oryza sativa (japonica cultivar-group)
Oryza sativa (japonica cultivar-group)
Cryza sativa (japonica cultivar-group)
Bukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae;
Enrhartoideae; Oryzae; Oryza.

I (bases 1 to 20)
Kim,J.S., Jun,K.M., Cheong,P.J., Kim,M.J., Lee,T.H., Shin,Y.C.,
Song,S.I., Kim,J.K., Kim,Y.-K. and Nahm,B.H.
Large-scale Sequencing Analysis of Rice ESTs
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           Normalisation of cereal endosperm EST libraries for structural and
                                        functional genomic analysis

functional genomic analysis

plant Mol. Biol. Rep. 18, 123-132 (2000)

Contact: Bill Taylor

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Fax: 61 2 6246 5203

Fax: 61 2 6246 5000

Email: Bill Taylor@csiro.au

Seq primer: Mi3 reverse primer

High quality sequence actop: 28

High quality sequence actop: 28

High quality sequence
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/organism="Oryza sativa (japonica cultivar-group)"
/orl_ivpe="mRNA"
/cul_ivar="Nackdong"
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/organism="Triticum aestivum"
/mol type="mRNA"
/cultivar="Hartog"
/db.xref="taxon:4565"
/clone="WNEL1889"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   0.4%; Score 21.4; E 95.7%; Pred. No. 40; tive 0; Mismatches
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CF305590.1 GI:33677351
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Best Local Similarity
Matches 22; Conserv
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CF305590
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/lab host="E. Coli strain XLI0-Gold, TI-resistant, F-"
//lab host="E. Coli strain XLI0-Gold, TI-resistant, F-"
//clome_lib="Mouse 10kb plasmid UUGCIM library"
//note="Vector: PWD42nv; Purified genomic DNA from M.
musculus C57BL/6J (male) was obtained from the Jackson
Laboratory Mouse DNA Resources /documents/dnares/). The DNA
was bylownamically sheared by repeated passage through a
0.005 inch orifice at constant velocity. The sheared DNA
was blunt end-repaired with T4 DNA polymerase and T4
polymuclectide kinase. Adaptor oligonuclectides were
ligated to the blunt ends in high molar excess. The
adaptored DNA was purified and size-selected for a 9.5 to
10.5 kb range using preparative agarose gel
electrophoresis vector DNA was prepared from a derivative
of pMPA2 (gil |qil) |AR129072.1), a copy-number
inducible derivative of plasmid R1. The vector was ligated
with adaptors complementary to the insert adaptors and
purified. The sheared, adaptored mouse DNA was annealed to
adaptored vector DNA, and transformed into
chemically-competent E. coli XL10-Gold (Stratagene) cells
and selected for ampicillin resistance."
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus. E. (bases 1 to 24)

S Dunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamil, C., Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T., Really, M., Rose, M., Rose, R., Stokes, R., Tingey, A., von Niederhausern, A. and Wright, D., Weises, R., Tingey, A., von Niederhausern, A. and Wright, D., Weises, R., Dupublished (2000)

L Unpublished (2000)

Contact: Robert B. Weiss
University of Utah Genome Center University of Utah

Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 B., SLC, UT
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2M0082P18F Mouse 10kb plasmid UUGCIM library Mus musculus genomic
clone UUGC2M0082P18 F, genomic survey sequence.
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0.4%; Score 19.2; DB 1; Length 24;
Best Local Similarity 87.5%; Pred. No. 49;
Matches 21; Conservative 0; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Tel: 801 585 5606
Fax: 801 585 7177
Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
Plate: 0011 row: E column: 06
Seq primer: CGTTGTAAAACGACGGCCAGT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  /organism="Mus musculus"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          /mol_type="genomic DNA" /strain="C57BL/6J"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      High quality sequence stop: 24. Location/Qualifiers
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/clone="UUGC1M0011E06"
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Mus musculus
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AZ814559/c
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                                                                                                                                                                                                                                                                                                                CV066488 21-AUG-2004 WNEL4e6 Wheat EST 24-AUG-2004 WNEL4e6 Wheat EST endosperm library Triticum aestivum cDNA clone WNEL4e6 5' similar to Unknown Function, mRNA sequence.
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/clone="MNEL4e6"
/tissue_type="endosperm"
/dev_stage="developing endosperm tissue 6, 8, 10 dpa (days
post_anthesis)"
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Plant Mol. Biol. Rep. 18, 123-132 (2000)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ö
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Division of Plant Industry.
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1M0011E06F Mouse 10kb plasmid UUGC1M library Mus musculus genomic clone UUGC1M0011E06 F, genomic survey sequence.
AZ308225
AZ308225 GI:10348004
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/mol_type="mRNA"
/cultivar="Hartog"
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Best Local Similarity 95.2%; Pred. No. 47;
Matches 20; Conservative 0; Mismatches
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Triticum aestivum
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Mus musculus
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is I (Dases I to 24)

Rall,N., Bowman,S., Lennard,N.J., Doggett,J., Atkin,R.,
Chillingworth,C., Ormond,D., Harris,B., El-Sayed,N., Hou,L.,
Chillingworth,C., Ormond,D., Harris,B., El-Sayed,N., Hou,L.,
Melville,S.E., Rajandream,M.A. and Barrell,B.G.

Direct Submission

Direct Submission

Trypanosoma brucei genome sequencing
Submitted (10-DEC-2000) Trypanosoma brucei genome Campus, Hinxton,
Cambridge CBIO 18A, E-mail: barrell@sanger.ac.uk

Constructed at the Institute for Genomic Research (TIGR),
Constructed at the Institute for Genomic Research (TIGR),
Rockville, MD. Genomic DNA isolated from a cloned population of
Rockville, MD. Genomic DNA isolated from a cloned population of
Trypanosoma brucei (TREU927/4 GUTat 10.1) was mechanically sheared
to give a tight size distribution (
Trypanosoma brucei (TREU927/4 GUTat 10.1) was mechanically sheared
to give a tight size distribution (
Barrell, Oxford University Press, 1999).

Barrell, Oxford University Press, 1999).

Barrell, oxford University Press, 1999).

Barrell, or T. brucei sequencing at the Sanger Centre are available at http://www.sanger.ac.uk/Projects/T_brucei/.
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2M0103J11F Mouse 10kb plasmid UUGCIM library Mus musculus genomic clone UUGC2M0103J11 F, genomic survey sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi; Bukaryota; Metazoa; Rodentia; Sciurognathi; Muridae; Murinae; Mus. 1 (Dases 1 to 24)

Dunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamil, C., Ralam, H., Longacre, S., Mahmoud, M., Menen, E., Pedersen, T., Reilly, M., Rose, M., Rose, R., Stokes, R., Tingey, A., von Niederhausern, A. and Wright, D., Weiss, R.

Mouse whole genome scaffolding with paired end reads from 10kb
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Pred. No. 49;
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Insert Length: 10000 Std Error: 0.00
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/organism="Trypanosoma brucei"
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Seg primer: CGTTGTAAAACGACGGCCAGT
Class: plasmid ends
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Unpublished (2000)
Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah
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/strain="TREU927"
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Location/Qualifiers
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/clone="250e05"
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Mus musculus
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Best Local Similarity 87.5%;
Matches 21; Conservative (
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Fax: 801 585 7177
(bases 1 to 24)
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AZ827015/c
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/lab host="E. Coli strain XLIO-Gold, Tl-resistant, F-"
/clone lib="Mouse 10kb plasmid UUGCIM library"
/note="Westor: PWD42nv; Purified genomic DNA from M.
musculus G57BL/GJ (male) was obtained from the Jackson
Laboratory Mouse DNA Resources (Accuments/Anares/). The DNA
was hydrodynamically sheared by repeated passage through a
0.005 inch norifice at constant velocity. The sheared DNA
was hydrodynamically sheared by repeated passage through a
0.005 inch norifice at constant velocity. The sheared DNA
was blunt end-repaired with T4 DNA polymerase and T4
polymucleotide kinase. Adaptor oligonucleotides were
ligated to the blunt ends in high molar excess. The
adaptored DNA was purified and size-selected for a 9.5 to
10.5 kb range using preparative agarose gel
electrophoresis. Vector DNA was prepared from a derivative
of pwD42 (gil 473214|glb FA129072.1), a copy number
inducible derivative of plasmid R1. The vector was ligated
with adaptors complementary to the insert adaptors and
purified. The sheared, adaptored mouse DNA was annealed to
                   TE 1 (bases 1 to 24)

RS Dunn, D., Acyagi, A., Barber, M., Beacorn, T., Duval, B., Hamil, C.,
Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T.,
Reilly, M., Rose, M., Rose, R., Stokes, R., Tingey, A., von
Reilly, M., Rose, M., Rose, R., Stokes, R., Tingey, A., von
Niederhausern, A. and Wright, D., Weiss, R.,
Mouse whole genome scaffolding with paired end reads from 10kb
plasmid inserts
Unpublished (2000)
Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah Genome Center
University of Utah Genome Center
University of Utah
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
RM. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
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         Mummalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus
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T. brucei sheared genomic DNA clone 250e05, forward sequence,
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Trypanosoma brucei
Eukaryota; Buglenozoa; Kinetoplastida; Trypanosomatidae;
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                                                                                                                                                                                                                                                                                                                                                                                                                                     Tell: 801 585 5606

Pax: 801 585 7177

Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00

Plate: 0082 row: P column: 18

Seq primer: CGTTGTAAAACGACGGCCAGT

Class: plasmid ends
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1. Similarity 87.5%; Pred. No. 49;
21; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        /organism="Mus musculus"
/mol_type="genomic DNA"
ferrain="C57BL/b"
/db_xref="taxon:10090"
/clone="UUGC2M0082P18"
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AL483684
AL483684.1 GI:11849145
GSS.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Trypanosoma.
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Matches 21; Conserv
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RESULT 44 TA250E05P LOCUS DEFINITION ACCESSION

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(http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polymucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pwD42 (gi|4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid Rl. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to adaptored vector DNA, and transformed into
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       HDA1--03-002.gl OsHDAC1-overexpressing transgenic rice lambda phage cDNA library I (HDA1) Oryza sativa (japonica cultivar-group) cDNA clone HDA1--03-002, mRNA sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ö
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Oryza sativa (japonica cultivar-group)
Sukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae;
Brhartcideae; Oryzeae; Oryza.
1 (bases 1 to 19)
Kim,J.S., Jun,K.M., Cheong,P.J., Kim,M.J., Lee,T.H., Shin,Y.C.,
Large-scale Sequencing Analysis of Rice ESTs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /clone="HDA1--03-002"
/tissue type="callus"
/dev_stage="proliferated callus on 2N6 media for 2 weeks"
/lab_hoste="s.coli SOLR"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Genomics and Genetics Institute, GreenGene Biotech Inc.; Division of Bioscience and Bioinformatics, MyongJi University
                                                                                                                                                                                            /clone lib="Mouse 10kb plaemid UUGCIM library"
/note="Vector: PWD42nv; Purified genomic DNA from M.
musculus C57BL/6J (male) was obtained from the Jackson
                                                                                                                                                                    /lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
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/mol_type="mRNA"
/cultivar="Nackdong"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0.4%; Score 18.8; DB 1; Length 24; 90.9%; Pred. No. 51; tive 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      bhnahm@bio.myongji.ac.kr
                                                                                                                                                                                                                                                                                      Laboratory Mouse DNA Resource
organism="Mus musculus"
                          mol_type="genomic DNA"
strain="C57BL/6J"
                                                                                   /db_xref="taxon:10090"
/clone="UUGC2M0103J11"
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Location/Qualifiers
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Tel: 82 31 330 6193
Fax: 82 31 321 6355
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CF306449.1 GI:33678210
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Best Local Similarity
Matches 20; Conserv
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Unpublished (2000)
Contact: Robert B. Weiss
Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah
Sam. 308 B. 10medical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
84112, USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AZS97932 13-DEC-2000 1M0412D23F Mouse 10kb plasmid UUGCIM library Mus musculus genomic clone UUGCIM0412D23 F, genomic survey sequence.
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/clone lib="OsHDAC1-overexpressing transgenic rice lambda phage cDNA library I (HDA1)"
//note="Vector: pBluescript SK(+); Site l: EcoRI; Site 2: Anote="Vector: pBluescript SK(+); Site l: EcoRI; Site 2: Anote; Callus was treated with ABA(20um] for lhour. cDNA was inserted into lambda Uni-ZAP XR vector at 5' end with EcoRI and 3' end with XhoI site. mRNA was derived from rice Histone Deacetylase overexpression line."
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Bukaryota, Metazoa, Chordata, Craniata, Vertebrata, Buteleostomi,
Mamalia, Eutheria, Rodentia, Sciurognathi, Muridae, Murinae, Mus
1 (bases 1 to 21)
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/clone llb="Mouse 10kb plasmid UGCIM library."
/note="Vector: PWD42ry; Purified genomic DNA from M.
musculus C57BL/6J (male) was obtained from the Jackson
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Dun, D., August, Barber, M., Beacorn, T., Duval, B., Hamil, C., Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T., Reilly, M., Rose, M., Rose, R., Stokes, R., Tingey, A., von Niederhausern, A. and Wright, D., Weiss, R. Mouse whole genome scaffolding with paired end reads from 10kb plasmid inserts
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                                                                                                                                                                                                                              Score 18; DB 1; Length 19;
Pred. No. 51;
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Insert Length: 10000 Std Error: 0.00
Plate: 0412 row: D column: 23
Seg primer: CGTYGTAAAACGACGCCAGT
Class: plasmid ends
                                                                                                                                                                                                                                                                                     Mismatches
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/mol_type="genomic DNA"
/strain="C57BL/63"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    High quality sequence stop: 21.
Location/Qualifiers
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/clone="UUGC1M0412D23"
                                                                                                                                                                                                       0.4%; Scor
100.0%; Pred
0; M
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AZ597932.1 GI:11720122
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                                                                                                                                                                                                                                                                                  Conservative
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Fax: 801 585 7177
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Best Local Simil
Matches 18; C
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Location/Qualifiers

Location/Qualifiers

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/organism="Trichomonas vaginalis"
//mol_type="mmxno:572"
//db_xref="taxon:572"
//db_tyref="topplozoites at mid-log phase"
//db_host="XL1 Blue-MRR"
//db_host="XL1 Blue-MRR"
//db_host="XL1 Blue-MRR"
//done lib="typoisoite"
//done lib="typoisoite"
//note="vector: Lambda ZAP-Express (Stratagene); Site_1:
RCORI; Site_2: Xhol"
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Unpublished (2004)
Contact: Caldwell
GSF - Forschungszentrum, Institut fuer Molekulare Strahlenbiologie
Ingolstaedter Landstr. 1, D-85764 Neuherberg, GERWANY.
Location/Qualifiers
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                                                                                                                                                                             Trichomonas vaginalis
Eukaryota; Parabasalidea; Trichomonada; Trichomonadida;
Trichomonadidae; Trichomonadinae; Trichomonas.
1 (bases 1 to 19)
Zhou, Y., Shu, W.M., Huang, S.C.C., Huang, K.Y. and Tang, P.
Analysis of Gene Expression Profile in Trichomonas vaginalis by EST
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AJ725584 rikenl Gallus gallus cDNA clone 2c16r4, mRNA sequence.
AJ725584
TVEST093E02 Tv30236_PT cDNA Library Trichomonas vaginalis cDNA
                                                                                                                                                                                                                                                                                                                                                                                            Contact: Tang, P. Molecular Regulation and Bioinformatics Laboratory, College of Medicine
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                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 17; DB 1; Length 19;
Pred. No. 57;
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/mol_type="mRNA"
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Gallus gallus
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                                                                                               CO578459.1 GI:50409027
                                                                                                                                                    Trichomonas vaginalis
                                                                                                                                                                                                                                                                                                                                          Sequencing
Unpublished (2003)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Seq primer: T3
                                                  mRNA sequence.
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BACKWARD: T3
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/dev_stage="14 days after germination"
/dev_stage="14 days after germination"
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/lab_host="8.coli SOLR"
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/loce="Vector lambda" (ABR): Site_2:
/clone limda Uni-ZAP XR vector at 5' end with EcoRI and 3' end
/clone limda Uni-ZAP XR vector at 5' end with EcoRI and 3' end
/clone limda Uni-ZAP XR vector at 5' end with EcoRI and 3' end
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                            inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to adaptored vector DNA, and transformed into chemically-competent B. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."
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Oryza sativa (japonica cultivar-group)
Oryza sativa (japonica cultivar-group)
Eukaryota, Viridiplantae; Streptophyta; Embryophyta; Fracheophyta;
Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae;
Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae;
I (bases 1 to 19)
Kim,J.S., Jun,K.M., Cheong,P.J., Kim,M.J., Lee,T.H., Shin,Y.C.,
Song,S.I., Kim,J.K., Kim,Y.-K. and Nahm,B.H.
Large-scale Sequencing Analysis of Rice ESTS
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Yongin, KyeongJi, Korea
Tel: 82 31 330 6193
Fax: 82 31 321 6355
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ABF1--01-B20.g1 ABF3-overexpressing transgenic rice lambda phage cDNA library (ABF1) Oryza sativa (japonica cultivar-group) cDNA clone ABF1--01-B20, mRNA sequence.
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                                                                                                                                                                                                                    0.4%; Score 17.8; DB 1; Length 21; 90.5%; Pred. No. 54; 2; Indels iive 0; Mismatches 2; Indels
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Pred. No. 57;
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Location/Qualifiers
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Best Local Similarity 100.0%; Pr
Matches 17; Conservative 0;
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Best Local Similarity
Matches 19; Conserv
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S. Anderson, S. I., Finlayson, H.A. and Archibald, A.L.

S. Anderson, S. I., Finlayson, H.A. and Archibald, A.L.

Development of cDNA and EST resources for studying reproduction and embryo development in pigs and cattle

Unpublished (2004)

Contact: Anderson SI

Genomics and Bloinformatics

Roslin Institute

Roslin Institute

Roslin Institute

Roslin SHISS PSF, UNITED KINGDOM

Single pass sequencing. Bases called and trimmed with phred

VO.020425.c. Vector identified by cross match with the -minscore 20

and -minmatch Is options. Vector: pBluegeriptiI(SK+) R. Site 1:

ECORI R. Site 2: NotI 5' Seq primer MI3F Description: Normalised

library constructed from Bovine Uterus tissue. Clones avallable

from UK Centre for Functional Genomics in Parm Animals, Roslin

Institute, Roslin, Midlothian, UK, EH25 9PS, www.arkgenomics.org.
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This is the 5' sequence of the clone insert. Clone from S. Wiemann,
Molecular Genome Analysis, German Cancer Research Center (DKFZ);
Email s. wiemannackfz-haldelberg.ds, mforschung GmbH in Berlin,
Germany. Please contact RZPD for ordering:
http://www.rzpd.ds/cgi.bin/products/cl.cgi?CloneID=DKFZp468E2231
Further information about the clone and the sequencing project is
available at http://mips.gsf.de/projects/cdna/.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /tissue_type="uterus"
/clone_lib="KN224"
/clone_lib="KN224"
/otoe="Vector: pBluescriptII(SK+); Site_1: EcoRI; Site_2:
NotI: Single pass sequencing. Normalised_library
constructed from Bovine Uterus tissue."
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1 (bases 1 to 16)

1 (bases 1 to 16)

1 (bases 1, W. Beyer, A., Mewes, H.W., Weil, B., Amid, C., Osanger, A., Pobo, G., Han, M. and Wiemann, S.

Pongo pygmaeus mRNA (Koehrer, K., Beyer, A., Mewes, H.W., et al.)

Contact: MIPS

MIPS
    Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Cetartiodactyla; Ruminantia; Pecora; Bovidae;
Bovinae; Bos.
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100.0%; Pred. No. co.
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/mol_type="mRNA"
/db_xref="taxon:9600"
/clone="DKFZp468E2231"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             /mol_type="mRNA"
/db_xref="taxon:9913"
/clone="KN227-028_N23"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           /organism="Bos taurus"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Pongo pygmaeus (orangutan)
Pongo pygmaeus
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CR786853
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18 bp mRNA linear EST 01-OCT-2004

DKF2p468J2331_r1 468 (synonym: phrt1) Pongo pygmaeus cDNA clone
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This is the 5' sequence of the clone insert. Clone from S. Wiemann,
Molecular Gerome Analysis, German Cancer Research Center (DKFZ);
Email s.wiemann@dkfz-heidelberg.de; mforschung GmbH in Berlin,
Germany. Please contact RZPD for ordering:
http://www.rzpd.de/cgi.bin/products/cl.cgi?CloneID=DKFZp468J2331
Further information about the clone and the sequencing project is
available at http://mips.gsf.de/projects/cdna/.
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AJ679356
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/note="Vector: pSportl_Sfi; Site_1: SfilA; Site_2: SfilB"
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Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Pongo.
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Koehrer, K., Beyer, A., Mewes, H.W., Weil, B., Amid, C., Osanger, A., Fobo, C., Han, M. and Wiemann, S.
Pongo pygmaeus mkNa (Koehrer, K., Beyer, A., Mewes, H.W., et al.)
Unpublished (2004)
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                                                                                                                                                          Length 18;
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/db_xref="taxon:9031"
/clone="2c16r4"
/cell_type="bursal lymphocyte"
/dev_stage="2-3 weeks old"
/clone libe=riken1"
/note="CB inbred strain"
                                                                                                                                                          DB 1;
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Pred. No. 60;
0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   /mol_type="mRNA"
/db_xref="taxon:9600"
/clone="DKFZp468J2331"
/tissue_type="heart"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          /dev_stage="adult"
/lab_host="DH10B"
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EST.
Bos taurus (cow)
Bos taurus
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                                                                                                                                                          0.3%;
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Best Local Similarity 94.4<sup>1</sup>
Matches 17, Conservative
                                                                                                                                                                                                    17; Conservative
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AJ679356/c
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Gaps

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DB 1; Length 16; 60; 0; Indels

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Tetranyment thermophila.

Tetranyment thermophila.

Eukaryota; Alveolata; Ciliophora; Oligohymenophorea;

Hymenostomatida; Tetranymenina; Tetrahymenidae; Tetrahymena.

Hymenostomatida; Tetrahymenina; Tetrahymenidae; Tetrahymena.

Hymenostomatida; Tetrahymena.

Turkewitz,A.P., Karrer,K.M., Jahn,C., Orias,E., Kirk,K.E.,

Frankel,J. and Klobutcher,L.

Forbed: Tetrahymena thermophila, strain CU428.1, growing cells

Contact: Turkewitz AP

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Email: apturkew@midway.uchicago.edu
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preparation can be found in Chilcoat and Turkewitz (2001)
proc. Natl. Acad. Sci USA, 98: 8709-8713."
Turkewitz, A.P., Karrer, K.M., Jahn, C., Orias, E., Kirk, K.E., Frankel, J. and Klobutcher, L.

EST from Tetrahymena thermophila, strain CU428.1, growing cells EST from Tetrahymena thermophila, strain CU428.1, growing cells Compact: Turkewitz AP

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Fax: 773 702 112
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5009-0-61-C01.t.1 Chilcoat/Turkewitz cDNA (large fraction)
Tetrahymena thermophila cDNA, mRNA sequence.
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                                                                                                                                                                                                                                                  Email: apturkew@midway.uchicago.edu
Seq primer: T3.
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Tetrahymena thermophila
Tetrahymena thermophila
Tetrahymena thermophila
Eukaryota; Alveolata; Ciliophora; Oligohymenophorea;
Bukaryota; Alveolata; Ciliophora; Oligohymenophorea;
Hymenostomatida; Tetrahymenina; Tetrahymenidae; Tetrahymena.
Hymenostomatida; Tetrahymena; Tetrahymenidae; Tetrahymena
Est (Dases 1 to 17)
Turkewitz,A.P., Karrer,K.M., Jahn,C., Orias,E., Kirk,K.E.,
Frankel,J. and Klobuccher,L.
Est from Tetrahymena thermophila, strain CU428.1, growing cells
Contact: Turkewitz AP
Molecular Genetics and Cell Biology
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University of Chicago
University of Chicago
120 E. 58th Street, Chicago, IL 60637, USA
Tel: 773 702 4374
Fax: 773 702 4374
Fax: 773 702 4374
Fax: 773 702 4372
Email: apturkew@midway.uchicago.edu
Seq primer: T3.
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Tetrahymena thermophila
Tetrahymena thermophila
Bukaryota; Alveolata; Ciliophora; Oligohymenophorea;
Bukaryota; Alveolata; Ciliophora; Tetrahymenidae; Tetrahymena.
Hymenostomatida; Tetrahymenina; Tetrahymenidae; Tetrahymena.
1 (bases 1 to 17)
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5009-0-4-E01.t.1 Chilcoat/Turkewitz cDNA (large fraction)
Tetrahymena thermophila cDNA, mRNA sequence.
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100.0%; Pred. No. 62;
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                                                                                                                                                                         0.3%; Score 16; DB 1; Length 16; 100.0%; Pred. No. 60; ative 0; Mismatches 0; Indels
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Song, S. I., Kim, J. K., Kim, Y. -K. and Nahm, B. H.

Large-scale Sequencing Analysis of Rice ESTs

Longbullahed (2003)

Contact: Nahm B. H.

Genomics and Genetics Institute, GreenGene Biotech Inc.; Division of Bioscience and Bioinformatics, MyongJi University

Yougln, Kyeonggi, Korea

Tel: 82 31 330 6193

Fax: 82 31 321 6355
                                                                                                                                                                                                                                                                                                                                                                                                                             /organism="Oryza sativa (japonica cultivar-group)"
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100.0%; Pred. No. 65;
iive 0; Mismatches 0; Indela
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Location/Qualifiers
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                                                                                                                                                                                                     HDA1--06-024.g1 OBHDAC1-overexpressing transgenic rice lambda phage cDNA library I (HDA1) Oryza sativa (japonica cultivar-group) cDNA (CP307519
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Oryza sativa (japonica cultivar-group)
Bukaryota, Vizidiplantae; Streptophyta; Embryophyta; Tracheophyta;
Bhrhartoideae; Oryza, Liliopsida; Poales; Poaceae;
Ehrhartoideae; Oryza, Liliopsida; Poales; Poaceae;
I (bases 1 to 20)
Kim, J.S., Jun, K.M., Cheong, P.J., Kim, M.J., Lee, T.H., Shin, Y.C.,
Song, S.I., Kim, J.K., Kim, Y.-K. and Nahm B.H.
Large-scale Sequencing Analysis of Rice ESTs
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Oryza sativa (japonica cultivar-group)
Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae;
Ehrhartoideae; Oryzeae; Oryza.

1 (bases 1 to 20)
Kim,J.S., Jun,K.M., Cheong,P.J., Kim,M.J., Lee,T.H., Shin,Y.C.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Contact: Nahm B.H.
Genomics and Genetics Institute, GreenGene Biotech Inc.; Division of Bioscience and Bioinformatics, MyongJi University
YongIn, KyeongJi, Korea
Tel: 82 31 330 6193
Fax: 82 31 321 6355
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Location/Qualifiers
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Mismatches
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GenCore version 5.1.6 Copyright (c) 1993 - 2005 Compugen Ltd. OM nucleic - nucleic search, using sw model Run on: August 18, 2005, 08:32:01; Search time 9 Seconds (without alignments)	Title: Perfect score: 5085 Sequence: 1 ggatccccgggctgcaggatcgaggggggcccggtacc 5085 Scoring table: IDENTITY_NUC Gapop 10.0 , Gapext 0.5 Searched: 150 seqs, 3198 residues	Total number of hits satisfying chosen parameters: 300 Minimum DB seq length: 8 Maximum DB seq length: 80 Post-processing: Minimum Match 0% Listing first 150 summaries	Database: fetch4rge.seq:* Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution. SUMMARIES Result No. Score Match Length DB ID	60 1.2 60 1 COB74833 ACCESS 40.6 0.8 50 1 COB78334 ACCESS 33.2 0.7 40 1 ISS635 ACCESS 30 0.6 30 1 AR441545 ACCESS 30 0.6 30 1 AR441546 ACCESS 27.6 0.5 35 1 AR441546 ACCESS 27.6 0.5 35 1 AR441546 ACCESS 27.6 0.5 35 1 AR54565 ACCESS 27.7 0.5 35 1 A63565 ACCESS 27.7 0.5 35 1 A63565 ACCESS 27.7 0.5 35 1 AR536409 ACCESS 28.7 0.4 20 1 AR536409 ACCESS 29.8 0.4 21 1 AR536409 ACCESS 21 0.4 21 1

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  ACCESSION: CQ762074
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ACCESSION: AR205352
ACCESSION: AR215823
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ACCESSION:AX378533
ACCESSION:AX765627
ACCESSION:BD124158
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ACCESSION: BD079122
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ACCESSION: AX214621
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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ACCESSION: BD228503
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ACCESSION: AR359728
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ACCESSION: AX404548
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                                                   ACCESSION: AR241587
ACCESSION: AR254543
                                                                                                        ACCESSION: AX184029
ACCESSION: AR296992
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                                        4290 CGTCCATGGTATCTACTGTAGTCCTGCAGATGGAAATCCTATCCTACTAACAGCTGGCTC
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/mol type="unassigned DNA"
/db xref="taxon:32630"
/noce="becription of Artificial Sequence: Synthetic
nucleotide sequence"
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Patent: WO 2004081179-A 36 23-SEP-2004;
The Government of the United States of America (US)
Location/Qualifiers
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Regulation of rna stability
Patent: WO 2004081179-A 35 23-SEP-2004;
The Government of the United States of America (US)
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Best Local Similarity 91.5%; Pred. No. 0.51;
Matches 43; Conservative 0; Mismatches 4;
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100.0%; Pred. No. 0.0069; ive 0; Mismatches 0
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Tokunaga, T., Ishiguro, T. and Horie, R.
Fluorescent dye and method of measuring nucleic acid
Patent: 18 6743588-A 2 01-UNN-2004;
Location/Qualifiers
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SAICOM S R L (IT)
Other publication IT M1952539 19970604
Other publication AU 1175497 19970627.
Location/Qualifiers
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Best Local Similarity 100.0%; Pred. No. 4.8;
Matches 30; Conservative 0; Mismatches
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tive 0; Mismatches
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Sequence 2 from patent US 6743588.
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Sequence 7 from Patent WO9720924.
A63566.1 GI:3717221
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                                                                                                                         Unclassified.

1 (bases 1 to 40)

1 (bases 1 to 40)

Pierre, P.S., Pearlstein, R.W., Schweiger, B.J., Becker-Manley, M.F. and Pierce, J.W.

Nucleotide sequences of galactinol synthase from zucchini and
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Kerr,P.S., Pearlstein,R.W., Schweiger,B.J., Becker-Manley,M.F. and
Pierce,J.W.
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Tokunaga,T., lshiguro,T. and Horie,R.
Fluorescent dye and method of measuring nucleic acid
Patent: US 6743588-A 1 01-JUN-2004;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     DB 1; Length 40;
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92.1%; Pred. No. 2.5;
tive 0; Mismatches
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Location/Qualifiers
             AR014711 40 bp D
Sequence 11 from patent US 5773699.
AR014711
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/organism="unknown"
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Sequence 11 from patent US 5648210.
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/organism="unknown"
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Sequence 1 from patent US 6743588.
AR541545.
AR541545.1 GI:53933523
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                                                              AR014711.1 GI:3972165
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I55635.1 GI:2476429
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Best Local Similarity 92.1:
Matches 35; Conservative
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Best Local Similarity 92.1:
Matches 35, Conservative
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PAT 28-JUL-1999
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Mitsuhara,I., Oshima,M., Matsufuru,H., Matsukawa,K., Natori,S. and
                                               Unknows...
Unclassified.
Unclassified.
1 (bases 1 to 30)
Mirkin,C.A., Letsinger,R.L. and Park,S.-J.
Nanoparticles having oligonucleotides attached thereto and uses
therefor
Patent: US 6750016-A 68 15-JUN-2004;
Patent: US 675016-A 68 15-JUN-2004;
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JP 1997252779-A/4
30-SEP-1996 JP 1996068809
MITSUHAR-1996 JP 1996068809
MITSUHARA ICHIRO, OSHIMA MASAHIRO, MATSUFURU HIROKI, PI
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Location/Qualifiers
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0.4%; Score 21; DB 1; Length 21;
Best Local Similarity 100.0%; Pred. No. 32;
Matches 21; Conservative 0; Mismatches 0; Indels
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PACENT: JP 1997252779-A 4 30-SEP-1997;
NORIN SUISANSYO NOGYO SEIBUTSU SHIGEN KENKYUSHO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NATORI SHUNJI, OHASHI YUKO
C12N15/09,A01H5/00,C12N5/10,C12P21/02;
strandedness: Single;
topology: Linear;
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0.4%; Score 22.6; D:
Best Local Similarity 86.2%; Pred. No. 24;
Matches 25; Conservative 0; Mismatches

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    /db_xref="taxon:32644"

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AR559409.1 GI:53968825
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MATSUKAMA KASUNI,
PI CI2N15/09,A011
CC Strandedness:
CC topology: Linn
FH Key
FT source
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A CLASS OF OLIGONUCLEOTIDES, THERAPEUTICALLY USEFUL AS ANTITUMOURAL
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SAICOM S R L (IT)
Other publication IT MI952539 19970604
Other publication AU 1175497 19970627.
Location/Qualifiers
                                                                                                                                                                                                                                         Parent: WO 9720924-A 6 12-UUN-1997;
SAICOM S. R. L. (IT)
Other publication IT M1952539 19970604
Other publication AU 1175497 19970627.
Location/Qualifiers
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26quence 15 from Patent W09720924.
A63574.1 GI:3717229
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Sequence 6 from Patent W09720924.
A63565.
A63565.1 GI:3717220
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Mitsuhara, I., Ohshima, M. and Ohashi, Y.
Pathogen-resistant plants transformed with a DNA encoding sarcotoxin 1A linked to a signal peptide and a method for production thereof
Patent: US 6750381-A 4 15-JUN-2004;
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100.0%; Pred. No. 33;
tive 0; Mismatches 0; Indels
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PROTEIN COMPLEMENTATION IN TRANSGENIC PLANTS
PACHEL WO 9837211-A 24 27-AUG-1998;
GENE SHEARS PTY LID (AU); HUTTNER ERIC (AU)
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0.4%; Score 21; DB
Best Local Similarity 100.0%; Pred. No. 32;
Matches 21; Conservative 0; Mismatches

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Sequence 4 from patent US 6750381.
AR559758 GI:53969858
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Sequence 24 from Patent WO9837211.
A87299
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Anti-pathogenic mold plant and method for constructing the same.
E64706
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A01H1/00,C07K14/435,C12NS/10,C12N15/09//C12P21/02,(C12N15/09,
                                                                                                        E Miteuhara, I. Oshima, M. and Ohashi, Y. PLANT HAVING RESISTANCE TO SHIMA, M. and Ohashi, Y. PLANT HAVING RESISTANCE TO SHATHOGENIC FUNGI AND ITS CREATION PATENT: JP 1998028487-A 4 03-FEB-1998;

NORIN SUISANSYO NOGYO SEIBUTSU SHIGEN KENKYUSHO
OS NOME
OC Artificial sequences.
PN JP 1998028487-A/4
PD 03-FEB-1998
PF 17-JUL-1996 JP 1996187763
PI MITSUHARA ICHIRO, OSHIMA MASAHIRO, OHASHI YUKO PC STANDEGHOSHIS, SINGle;
CC strandedness: Single;
CC topology: Linear;
FH Key Location/Qualifiers
FH Source | 1. .21
FT Source | /organism='Artificial sequences'.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Ichico, M., Masahiro, O. and Yuko, O.
Anti-pathogenic mold plant and method for constructing the same
Patent: JP 199318248-A 4 24-NOV-1999;
NATL INST OF AGROBIOLOGICAL RESOUCES
OS Unidentified
PN JP 1999318248-A/4
PD 24-NOV-1999
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/organism='Artificial sequences'.
Location/Qualifiers
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C12N5/00,C12N15/00,(C12N15/00,C12R1:91)
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0.4%; Score 21; DB 1;
Best Local Similarity 100.0%; Pred. No. 32;
Matches 21; Conservative 0; Mismatches
    PCR primer for tobacco PR1a terminator.
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/organism="unidentified"
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/mol_type="genomic DNA"
/db_xref="taxon:32644"
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/db_xref="taxon:32644"
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E14908.1 GI:5709591
JP 1998028487-A/4.
unidentified
unclassified.
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E64706
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Patent: US 6759199-A 55 06-JUL-2004;
Location/Qualifiers
1. .20
/organism="unknown"
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Location/Qualifiers
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Sequence 55 from patent US 6759199.
AR561993
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Sequence 70 from patent US 6750016.
AR559411
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/organism="unknown"
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             AR559396.1 GI:53968812
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Unclassified.
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AR561993
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AR559411
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                    N BD057377. GI:22602983

BD057377. GI:22602983

DP057377.1 GI:22602983

Synthetic construct

SM synthetic construct

construct

SM synthetic construct

construct

SM synthetic construct

construct

SM synthetic construct

Characteristicial sequences.

E loase 1 to 20.

Protein complementation in transgenic plants

L Patent: JP 200151232-A 21 21-AUG-2001;

GENE SHEARS PTY LTD

PD 21-AUG-2001

PP 20-FEB-1998 JP 1998536400

PR 21-FEB-1997 GB 9703681.8

PI WYATT PAUL, PASCUAL PEREZ, ERIC HUTINER, ANDREAS STEFAN BETZNER
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Mirkin, C.A., Letsinger,R.L., Mucic,R.C., Storhoff,J.J.,
Blghanian,R. and Taton,T.A.
Nanoparticles having oligonucleotides attached thereto and uses
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0.4%; Score 21; DB 1; Length 24;
Best Local Similarity 100.0%; Pred. No. 33;
Matches 21; Conservative 0; Mismatches 0; Indels
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       Protein complementation in transgenic plants.
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    .24
    forganism="synthetic construct"
|moi type="genomic DNA"
|db_xref="taxon:32630"

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Location/Qualifiers
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Sequence 55 from patent US 6730269.
AR532682
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/organism="unknown"
/wol_type="genomic DNA"
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/note= 'Figure 1G: Ubqla'
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Unclassified.
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Mirkin,C.A., Letsinger,R.L., Mucic,R.C., Storhoff,J.J.,
Elghanian,R. and Taton,T.A.
Nanoparticles having oligonucleotides attached thereto and uses
therefor
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Unclassified.

(bases 1 to 20)

Mirkin, C.A., Letsinger, R.L. and Park, S.-J.

Manoparticles having oligonucleotides attached thereto and uses therefor

Patent: US 6750016-A 70 15-JUN-2004;
Unknown.
Unclassified.
Unclassified.
I (bases 1 to 20)
Mirkin,C.A., Letsinger,R.L. and Park,S.-J.
Nanoparticles having oligonucleotides attached thereto and uses therefor
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PAT 26-SEP-2002
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Mkaryota, Viridiplantae, Streptophyta, Embryophyta, Tracheophyta,
Spermatophyta, Magnoliophyta, Liliopsida, Poales, Poaceae, PACCAD
clade, Panicoideae, Andropogoneae; Zea.
                                                                                                                                                                                                         Loerz, H., Dresselhaus, T., Schreiber, D. and Heuer, S. Regulatory sequences for pollen specific or pollen abundant gene expression in plants
Patcht: WO 0112799-A 26 22-FEB-2001;
Suedwestdeutsche Saatzucht (DE)
Location/Qualifiers
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Steele, C.L., Bohlmann, J. and Croteau, R.B.
Monoterpene synthases from grand fir (Ables grandis)
Patent: US 6429014-A 35 06-AUG-2002;
Location/Qualifiers
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100.0%; Pred. No. 39;
:ive 0; Mismatches
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synthetic construct
other sequences; artificial sequences.
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Seguence 6 from Patent WO2004058808.
CQ855140
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/organism="Zea mays"
/mol_type="unassigned DNA"
/db_xref="taxon:4577"
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                                 20 bp
Sequence 26 from Patent W00112799.
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/organism="unknown"
/mol_type="genomic DNA"
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Best Local Similarity 100.0
Matches 20; Conservative
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Spermatophyta, Magnoliophyta, Liliopsida, Poales, Poaceae, PACCAD
clade, Panicoldeae, Andropogoneae, Zea.
                                                                                                                                                                                                                                                                                                                      1 (bases 1 to 20)
Mirkin, C.A., Letsinger,R.L., Mucic,R.C., Storhoff,J.J.,
Elghanian,R., Taton,T.A., Garimella,V. and Li,Z.
Nanoparticles having oligonucleotides attached thereto and uses therefor
                                                                  Gaps
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0.4%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 39;
Matches 20; Conservative 0; Mismatches 0; Indels
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                                 Length 20;
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Similarity 100.0%; Pred. No. 39;
20; Conservative 0; Mismatches
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Patent: WO 0112798-A 26 22-FEB-2001;
Suedwestdeutsche Saatzucht (DE)
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Location/Qualifiers
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Sequence 55 from patent US 6767702.
AR565165

    .20
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    /db_xref="taxon:4577"

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Sequence 26 from Patent WO0112798.
AX085176
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/organism="unknown"
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                                                               20; Conservative
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Matches 20; Conservative
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AR565165
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AX085176
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DB 1; Length 24;
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Best Local Similarity 100.0%; Pred. No. 48;
Matches 19; Conservative 0; Mismatches 0; Indels
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                               3; Indels
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ARC Seibersdorf research GmbH (AT)
Location/Qualifiers
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Sequence 15 from patent US 6737520.
AR541350
AR541350.1 GI:53932997
                                                                                                                                                                         CQ817044 19 bp D.
Sequence 6 from Patent WO2004042066.
CQ817044
Query Match 0.4%; Score 19.2; D
Best Local Similarity 87.5%; Pred. No. 47;
Matches 21; Conservative 0; Mismatches
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/organism="unknown"
/wol_type="genomic DNA"
                                                                5025 AAAAAAAAAAAAAAAAAAAAAAAAA 5048
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AR541351/c
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AR541350/c
LOCUS
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CQ817044/c
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Immunostimulatory nucleic acids
Patent: WO 0122972-A 60 05-APR-2001;
UNIVERSITY OF IOWA RESEARCH FOUNDATION (US) ; Coley Pharmaceutical
GmbH (DE)
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         Dna vaccines against hantavirus infections
Patent: WO 2004058808-A 6 15-JUL-2004;
U.S. Army Medical Research Institute of Infectious Diseas es
Department of the Army (US)
Location/Qualifiers
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/organism="synthetic construct"
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    .24
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/noTe="Synthetic Sequence"

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/db_xref="taxon:32630"
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Sequence 60 from Patent WO0122972.
AX103868 G1:13920065
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Manoharan, M. and Mohan, V.
Oligonucleotides having A-DNA form and B-DNA form conformational
geometry
Patent: US 6737520-A 15 18-MAY-2004;
Location/Qualifiers
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   Gaps
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/db.xref="taxon:32650"
/noTe="Description of Artificial Sequence:primer"
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Manoharan,M. and Mohan,V.
Oligonucleotides having A-DNA form and B-DNA form conformational
geometry
Patent: US 6737520-A 26 18-MAY-2004;
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Zsebo, K.M., Boseshman, R.A., Suggs, S.V. and Martin, F.H.
Method of preparing human stem cell factor polypeptide
Patent: US 6759215-A 33 06-JUL-2004;
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                   Score 19; DB 1; Length 19;
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                 Query Match 0.4%; Score 19; DB Best Local Similarity 100.0%; Pred. No. 48; Matches 19; Conservative 0; Mismatches
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Sequence 26 from patent US 6737520.
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/organism="unknown"
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Manoharan,M. and Mohan,V.
Oligonucleotides having A-DNA form and B-DNA form conformational geometry
Patent: US 6737520-A 17 18-MAY-2004;
                                                                             1 (bases 1 to 19)
Manoharan,M. and Mohan,V.
Oligonuclectides having A-DNA form and B-DNA form conformational
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1 (bases 1 to 19)
Manoharan,M. and Mohan,V.
Oligonucleotides having A-DNA form and B-DNA form conformational geometry
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Location/Qualifiers
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AR541352
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/organism="unknown"
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AR541351.1 GI:53932998
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Location/Qualifiers
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Best Local Similarity 95.0%
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unclassified.

1 (bases 1 to 20)
Hesse, F., Ambrosius, D. and Burtscher, H.
THEREOF FOR ISOLATING CELLS AND CELL GROUPS
PATCHT. WO 9619583-A 15 27-JUN-1996;
PATCHT WO 9619583-A 15 27-JUN-1996;
DOERRINGER MANNHEIM GMBH (DE)
Other publication DE 4445891 960627.
                                                Unclossified.
Unclassified.
1 (bases 1 to 25)
Ulanovsky,L., Mugasimangalam,R.C., Einat,P., Zezin-Sonkin,D. and Gilad,S.
Sequence-dependent gene sorting techniques
Patent: US 6468749-A 391 22-OCT-2002;
Location/Qualifiers
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ilarity 90.9%; Pred. No. 51;
Conservative 0; Mismatches 2;
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synthetic construct
other sequences; artificial sequences.
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Sequence 391 from Patent WO0175180.
AX279058
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Sequence 15 from Patent WO9619583.
A52122
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Hesse, F., Ambrosius, D. and Burtscher, H.
Recombinant proteinase from clostridium histolyticum and its use for isolating cells and groups of cells
Patent: US 5833976-A 15 29-DEC-1998;
Location/Qualifiers
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Polymorphisms in the human gene for tpmt and their use in diagnostic and therapeutic applications
Patent: WO 03066892-A 7 14-AUG-2003;
Epidauros Biotechnologie AG (DE)
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/db_xref="taxon:9606"
                                                                                          0.4%; Score 18.4; D
95.0%; Pred. No. 54;
tive 0; Mismatches
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Sequence 15 from patent US 5853976.
AR068314
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/mol_type="unassigned DNA"

    .20
    /organism="unidentified"
    /mol_type="unassigned DNA"
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Fridolfsson, A.K.
Direct Submission
Submitted (27-JUL-1997) Fridolfsson A.K., Animal Breeding and Genetics, Swedish University of Agricultural Sciences, Biomedical Center, Box 597, S-751 24 Uppsala, SWEDEN
Bukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia, Eutheria, Cetartiodactyla, Suina, Suidae, Sus. 1. Coses 1 to 20. T. 1. (Dases 1 to 20. T. T. T. V. Hori, T., Wintero, A.K., Fredholm, M., Yerle, M., Robic, A., Andersson, L. and Ellegren, H. Expansion of the pig comparative map by expressed sequence tags Unpublished
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Zsebo, K.M., Bosselman, R.A., Suggs, S.V. and Martin, F.H.
Method of preparing human stem cell factor polypeptide
Patent: US 6759215-A 32 06-UUL-2004;
Location/Qualifiers
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Zeebo,K.M., Bosselman,R.A., Suggs,S.V. and Martin,F.H.
Method of preparing human stem cell factor polypeptide
Patent: US 6759215-A 34 06-UUL-2004;
Location/Qualifiers
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Sequence 34 from patent US 6759215.
ARS62158
ARS62158.1 GI:53976021
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    .20
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/mol_type="mRNA"
    /db_xref="taxon:9823"

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AR562158/c
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AR562156/c
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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1 (bases 1 to 19)

Brown, S.M., Elich, T.D., Heck, G.R., Kishore, G.M., Logusch, E.W., Logusch, S.J., Piller, K.J., Rao, S., Ream, J.E. and Baerson, S.R. Methods for controlling gibberellin levels

Patent: US 6723897-A 85 20-APR-2004;
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Patent: WO 03066892-A 8 14-AVG-2003;
Epidauros Biotechnologie AG (DE)
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                                                                                          DNA
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Best Local Similarity 95.0%; Pred. No. 55;
Matches 19; Conservative 0; Mismatches
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AR528447
                                                                                                                                                                                                                                                                                                                                                                          /organism="Homo sapiens"
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                                                                                   Sequence 8 from Patent WO03066892.
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      22 CCTTAAATACTGTGGTTCCA
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Best Local Similarity 94.7
Matches 18; Conservative
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Sus scrofa (pig)
Sus scrofa
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AX815622
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PAT 26-SEP-2002

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Unknown.
Unclassified.
1 (bases 1 to 17)
Alnemri, B.S., Fernandes-Alnemri, T. and Litwack, G.
Apoptotic protease Mch6, nucleic acids encoding same and methods of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 (bases 1 to 17)
Alneming E.S., Fernandes-Alneming, T., Litwack, G., Armstrong, R. and Tomaselli, K.
MCH4 and MCH5, apoptotic proteases
Patent: US S561815-A 6 22-DEC-1998;
Location/Qualifiers
                                                                                                                                                      Dubertret, B., Calame, M. and Libchaber, A.
Methods employing fluorescence quenching by metal surfaces
Patent: WO 0218951-A 4 07-MAR-2002;
THE ROCKEFELLER UNIVERSITY (US)
Location/Qualifiers
                                                                                                                                                                                                                                                                                                       Length 21;
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/organism="synthetic construct"
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                                                                                                                             other sequences; artificial sequences.
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il Similarity 94.7%; Pred. No. 67;
18; Conservative 0; Mismatches
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Sequence 5 from patent US 6271361.
AR164207
AR164207.1 GI:16235230
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Sequence 6 from patent US 5851815.
AR067856
                       21 bp
Sequence 4 from Patent WO0218951.
AX498248
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synthetic construct
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AR067856
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Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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/db_xref="taxon:9606"
/noFe="Cdk-we-hu ribozyme binding site"
                                                   Query Match
0.4%; Score 18; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 59;
Matches 18; Conservative 0; Mismatches 0; Indels
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94.7%; Pred. No. 66;
tive 0; Mismatches 1;
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Sequence 1273 from Patent WO0130362.
AX130055
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Best Local Similarity 94.7%; Pred. No. 66;
Matches 18; Conservative 0; Mismatches
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Cerebellum-derived growth factors
Patent: US 5912326-A 15 15-UUN-1999;
Location/Qualifiers
                                                                                                                                                                                                                   19 bp | Sequence 15 from patent US 5912326. AR072061

    19
    /organism="unknown"
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1. .20
/organism="unknown"
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Location/Qualifiers
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1 (bases 1 to 19)
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1 (Dases I to 17)
Alnemzi,E.S., Fernandes-Alnemzi,T. and Litwack,G.
Apoptotic protease Mch6, nucleic acids encoding same and methods of
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1 (bases 1 to 17)
Alnemri,E.S., Fernandes-Alnemri,T., Litwack,G., Armstrong,R. and Tomaselli,K.
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Best Local Similarity 100.0%; Pred. No. 71;
Matches 17; Conservative 0; Mismatches 0; Indels
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Unclassified.
1 (bases 1 to 17)
Alnemri,E.S., Fernandes-Alnemri,T. and Litwack,G.
                                                mRNA
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Location/Qualifiers
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Sequence 5 from patent US 6455296.
AR232188
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Sequence 6 from patent US 6462175.
AR236040 GI:27279634
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Seguence 5 from patent US 6566505.
AR337628
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Alnemri, E.S., Fernandes-Alnemri, T. and Litwack, G.
Apoptotic protease Mch6, nucleic acids encoding same and methods of
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Alnemri, E. S., Fernandes-Alnemri, T., Litwack, G., Armstrong, R. and Tomaselli, K.
McMs and MchS, apoptotic protease, nucleic acids encoding and methods of use
Patent: US 6287795. A 6 11-SEP-2001;
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100.0%; Pred. No. 71;
tive 0; Mismatches 0; Indels
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Best Local Similarity 100.0%; Pred. No. 71;
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Patent: US 6271361-A 5 07-AUG-2001;
Location/Qualifiers
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Location/Qualifiers
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/organism="unknown"
/wol_type="unassigned DNA"
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Sequence 5 from patent US 6274318.
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AR164645.1 GI:16237730
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" (base 1 to 20)
Frank, G.R., Hunter, S.Wu. and Wallenfels, L.
Ectoparasite saliva proteins and apparatus to collect such proteins
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1 (bases 1 to 20)
Frank, G.R., Hunter, S.Wu. and Wallenfels, L.
Ectoparasite saliva proteins and apparatus to collect such proteins Patent: uS 5795662-A 23 18-AUG-1998;
Location/Qualifiers
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                                                                       PAT 08-OCT-2004
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Alnemri,E.S., Fernandes-Alnemri,T., Litwack,G., Armstrong,R. and Tomaselli,K.
Antibody that specifically binds an Mch4 polypeptide patent: US 6730779-A 6 04-MAY-2004;
Location/Qualifiers
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0.3%; Score 17; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 72;
Matches 17; Conservative 0; Mismatches 0; Indels
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Sequence 23 from patent US 5795862.
AR024174
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Sequence 6 from patent US 6730779.
AR533532
AR533532.1 GI:53923390
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1 CAGGAATTCGGCACGAG 17
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Unclassified.
1 (bases 1 to 17)
1 (bases 1 to 17)
2 Alnemri,E.S., Pernandes-Alnemri,T., Litwack,G., Armstrong,R. and Tomaselli,K.
Mch3, a novel apoptotic protease, nucleic acids encoding and methods of use
Patent: US 6716960-A 6 06-APR-2004;
Patent: Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                             Unclassified.
1 (bases 1 to 17)
Alnemri, E.S., Fernandes-Alnemri, T., Litwack, G., Armstrong, R. and
Tomaselli, K.
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Matches 17; Conservative 0; Mismatches 0; Indels
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          Antibodies to Mch6 polypeptides
Patent: US 6566505-A 5 20-MAY-2003;
Location/Qualifiers
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Sequence of from patent US 6716960.
AR492475
AR492475.1 GI:47261885
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Sequence 6 from patent US 6686459.
AR473351

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1 (bases 1 to 20)
Li,L. and Hood,L.
Human jagged polypeptide, encoding nucleic acids and methods of use
Patent: US 6136552-A 44 24-OCT-2000;
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Kanetani, K., Miyoshi, M., Ebinuma, H., Mori, A. and Ushizawa, K. Gene encoding 1,5-anhydroglucitol dehydrogenase, recombinant vector containing said gene, transformant containing said gene, transformant containing said recombinant and recombinant 1,5-anhydroglucitol dehydrogenase protein obtained from said transformant Datent. JP 2000185570-A 20 21-NOV-2000;

DAILCHI PURE CHEMICALS CO LTD
OS Artificial Sequence
PN JP 200018570-A/20
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20 bp DNA linear PAT 09-JAN-2004 Gene encoding 1,5-anhydroglucitol dehydrogenase, recombinant vector containing said gene, transformant containing said recombinant vector, and recombinant 1,5-anhydroglucitol dehydrogenase protein
               PAT 16-JUN-2001
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        KOJI USHIZAWA
PC C12N9/04,C12N1/15,C12N1/19,C12N1/21,C12N5/10,C12N15/09,
CC C12N5/00,C12N15/00
CC CC LOCALION/Qualifiers
FT SOURCE 1.20
/organism='Artificial Sequence'.
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0.3%; Score 16.8; DB 1;
Best Local Similarity 90.0%; Pred. No. 75;
Matches 18; Conservative 0; Mismatches 2;

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    /organism="synthetic construct"

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           Sequence 44 from patent US 6136952.
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Best Local Similarity 90.0%; Pred. No. 75;
Matches 18; Conservative 0; Mismatches
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/db_xref="taxon:32630"
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/organism="unknown"
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Frank, G.R., Hunter, S. Wu. and Wallenfels, L.
Ectoparasite saliva proteins and apparatus to collect such proteins
Patent: US 5646115-A 23 08-UUL-1997;
Location/Qualifiers
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Monia,B.P. and Cowsert,L.M.
Antisense inhibition of telomeric repeat binding factor 2
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100.0%; Pred. No. 72;
tive 0; Mismatches
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Best Local Similarity 100.0%; Pred. No. 72;
Matches 17; Conservative 0; Mismatches
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100.0%; Pred. No. 72;
1ve 0; Mismatches
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Patent: US 5840695-A 23 24-NOV-1998;
Location/Qualifiers
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Patent: US 6300132-A 10 09-OCT-2001;
Location/Qualifiers
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Sequence 10 from patent US 6300132,
AR370189
GR370189.1 GI:34606695
                                                                /mol_type="unassigned DNA"
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Sequence 23 from patent US 5646115.
154907
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/mol_type="unassigned DNA"
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                                                    /organism="unknown"
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/organiem="unknown"
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Best Local Similarity 100.0%; Pi
Matches 17; Conservative 0;
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Best Local Similarity 100.
Matches 17; Conservative
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Patent: WO 2004033728-A 61 22-APR-2004;
Erasmus Universiteit Rotterdam (NL); Van Dongen, Jacobus, Johannes,
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                                                                   PAT 14-MAY-2004
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Mol_type="unaasigned DNA"
/db xref="taxon:32650"
/noTe="bescription of Artificial Sequence: V beta 7
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                                                                                                                                                                               [Li,L., Hood,L., Krantz,I.D. and Spinner,N.B. Li,L., Hood,L., Krantz,I.D. and Spinner,N.B. Methods of diagnosing alagille syndrome Patent: US 6703198-A 44 09-MAR-2004; Location/Qualifiers
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90.0%; Pred. No. 75;
cive 0; Mismatches 2;
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Sequence 61 from Patent WO2004033728.
CQ801070
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AR120179.1 GI:14102878
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0; Mismatches
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Sequence 44 from patent US 6703198.
AR482351
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/organism="unknown"
/mol_type="mRNA"
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Daum, J.A., Gilmer, A.Jelen. and Mettus, A.-M.Light.
Baum, J.A., Gilmer, A.Jelen. and Mettus, A.-M.Light.
Polypeptide compositions toxic to lepidopteran insects and methods for making same
for making same
Location/Qualifiers
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Unclassified.

(bases 1 to 22)

Baum, J.A., Gilmer, A. Jelen. and Mettus, A. -M. Light.
Lepidopteran-resistent transgenic plants
Patent: US 631378-A 52 06-NOV-2001;
Location/Qualifiers
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/organism="unknown"
/mol_type="unassigned DNA"
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Sequence 52 from patent US 6313378.
AR177993
                                                                                                                                        /organism="unknown"
/mol_type="unassigned DNA"
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Sequence 52 from patent US 6177615.
AR126177
AR126177.1 GI:14112239
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/organism="unknown"
/wol_type="unassigned DNA"
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LOCUS

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1. 18
/organism="unidentified"
/mol_type="unassigned DNA"
/db_xref="taxon:32644"
/db_xref="Description of Artificial Sequence: an artificially
synthesized primer se q"
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                                                  other sequences; artificial sequences.

(E 1 (bases 1 to 22)

RS Baum,J.A., Gilmer.A.J. and Mettus,A.M.

DNA encoding lepidopteran-scrive delta-endotoxins and its use

NL Patent: JP 2001506490-A/19

PD 22-MAY-2001;

PD 22-MAY-2001

PP 22-
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Pred. No. 75;
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/organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"
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Patent: EP 1347046-A 4995 24-SEP-2003;
Research Association for Biotechnology
Location/Qualifiers
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Sequence 4995 from Patent BP1347046.
AX837871
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Sequence 31 from patent US 6326170.
ARI79243
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Pred. No. 81;
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AX837871
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                                                                                                                                                                                                                                                                                                                                                                                                     Baum, J.A., Gilmer, A.J. and Mettus, A.-M.L.
Nuclei acid and polypeptide compositions encoding
lepidopteran-toxic polypeptides
Patent: US 6423828-A 52 23-JUL-2002,
Location/Qualifiers
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2; Indels
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/mol_type="unassigned DNA"
/db_xref="taxon:32630"
/noce="primer"
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other sequences; artificial sequences.
Mismatches
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Sequence 52 from patent US 6423828.
AR220297
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AX751620
AX751620.1 GI:32133899
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0.3%; Score 16.8; E
Best Local Similarity 90.0%; Pred. No. 75;
Matches 18; Conservative 0; Mismatches
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AX751620
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AR220297
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Burnham, M.K.R., Lometto, M.A. and Warren, P.V.
Novel prokaryoric polynucleotide and polypeptide and utilization
profit J 2001515/70-A 21 25-SEP-2001;
SMITHKLINE BEECHAM CORP
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PN JP 2001515707-A/21
PD 25-SEP-2001
PF 14-SEP-1997 US 60/058710
PR 12-SEP-1997 US 60/058710
PI MARTIN K BURNHAM, MICHAEL A LONETTO, PATRICK V WARREN PC
C12N15/09, A61K38/00, A61K45/00, A61K48/00, A61P21/02, PC
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                                                     Unclassified.

1 (bases 1 to 19)
Russel Burnham, M.Karl., Lonetto, M.Arthur. and Warren, P.Vernon. Prokaryotic polynuclectides, polypeptides and their uses Patent: US 6326170-A 31 04-DEC-2001;
Location/Qualifiers
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                                                                                                                                                                                            Query Match

0.3%; Score 16.4; DB 1; Length 19;
Best Local Similarity 94.4%; Pred. No. 81;
Matches 17; Conservative 0; Mismatches 1; Indels
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                                                                                                                                                   /organism="unknown"
/wol_type="unassigned DNA"
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/organism="unidentified"
/mol_type="genomic DNA"
/db_xref="taxon:32644"
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BD078905.1 GI:22624508
JP 2001515707-A/21.
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AR179243.1 GI:20220798
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Best Local Similarity 94.4%;
Matches 17; Conservative (
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BD078905
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Unalassified.

1 (bases 1 to 20)

Bennett, C.F. and Watt, A.T.

Bennett, C.F. and Watt, A.T.

Antisense modulation of tumor necrosis factor receptor 2 expression

Patent: US 6410324-A 57 25-JUN-2002;

Patent: US 6410314-A 57 25-JUN-2002;
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1 (bases 1 to 20)

Hermann,B., Koschorz,B. and Kispert,A.

Horleic acids involved in the responder phenotype and applications thereof patent: US 6642369-A 29 04-NOV-2003;
 PAT 26-JAN-2000
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                                                                                                                                        1 (bases 1 to 20)
Herrmann, B. and Kispert, A.
NUCLEIC ACIDS INVOLVED IN THE RESPONDER PHENOTYPE AND APPLICATIONS
THEREOF
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HERRWANN BERNHARD (DB); MAX PLANCK GESELLSCHAFT (DE)
Location/Qualifiers
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Pred. No. 81;
0; Mismatches 1;
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Sequence 29 from patent US 6642369.
AR429226
AR429226.1 GI:40189375
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Sequence 57 from patent US 6410324.
AR215742
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/organism="unidentified"
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/db_xref="taxon:32644"
20 bp
Sequence 29 from Patent WO9925815.
A95627
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/organism="unknown"
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Best Local Similarity 94.4%;
Matches 17; Conservative
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PAT 27-MAR-2003
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                                                     Very low density lipoprotein receptor polymorphisms and uses there
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SHORT INTERFERING RNA (siRNA) ANALOGUES
                                                                                        Patent: WO 0166801-A 22 13-SEP-2001;
Complexe Hospitalier de la Sagamie (CA) ; McGILL UNIVERSITY
Location/Qualifiers
   Engert,J., Vohl,M.C., Brewer,C., Morgan,K., Gaudet,D.
Hudson,T.J.
                                                                                                                                                                                                                                          0.3%; Score 16.4; DB 1; Length 21;
85.0%; Pred. No. 81;
tive 1; Mismatches 2; Indels
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/organism="synthetic construct"
/mol_type="unassigned DNA"
/db xref="texon:32630"
/noTe="PCR Primer sequence"
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synthetic construct
other sequences; artificial sequences.
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Curagen Corporation (US)
Location/Qualifiers
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Sequence 153 from Patent WO0246408.
AX675429
AX675429.1 GI:29333495

    .21
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/db_xref="taxon:9606"

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AUTHORS
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AX675429
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CQ881300
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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PR 18-NOV-1998 JP 2000521181
PR 18-NOV-1997 EP 97120190.0,02-MAR-1998 EP 98103596.7 PJ
BERNHARD HERRMANN BIRGIT KOSCHORZ, ANDREAS KISPERT PC
CL2N15/09,A01K67/027,A61K31/7088,A61K38/45,A61K39/395,A61K48/ 100,A61P15/16,
PC CO7K16/40.CL2N1/15,C12N1/19,C12N1/21,C12N5/10,C12N9/12 PC
CL2P21/08,C12N11/500,A61K37/52,C12N5/00
CC Description of Artificial Sequence: synthetic no-natural
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MAX PLANCK GESELLSCHAFT ZUR FOERDERUNG DER WISSENSCHAFTEN
S Artificial Sequence
PN JP 200152349-A/20
PD 27-NOV-2001
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14.4%; Pred. No. 81;
ve 0; Mismatches 1; Indels
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    .20
    /organism="synthetic construct"

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synthetic construct
synthetic construct
other sequences; artificial sequences.
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                                                                                      ch 0.3%; Score 16.4; 1 Similarity 94.4%; Pred. No. 81; 17; Conservative 0; Mismatches
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Sequence 22 from Patent W00166801.
AX247921

    .20
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Location/Qualifiers
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BD091431.1 GI:22637042
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Conservative
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1 (Dases 1 to 16)

1 sang, W.-G., Zheng, T. and Huang, C.J.

Culturing pancreatic stem cells having a specified, intermediate stage of development

Patent: US 6759039-A 9 06-UUL-2004;

Location/Qualifiers
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                                        Gaps
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Beier,M. and Honeisel,J.
Nucleoside derivatives with photo-unstable protective groups
Patent: US 6756492-A 1 29-UUN-2004;
Location/Qualifiers
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0
   Score 16.2; DB 1; Length 21; Pred. No. 84;
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100.0%; Pred. No. 87;
tive 0; Mismatches
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0.3%; Scor.
85.7%; Pred. No. bw.,
... 0; Mismatches
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Sequence 643 from Patent WO0159103.
AX215201
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        16 bp
Sequence 9 from patent US 6759039.
AR561693.1 GI:53974843
                                                                                                                                                                                     AR561628 16 bp
Sequence 1 from patent US 6756492.
AR561628
AR561628.1 GI:53974736
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/organism="unknown"
/mol_type="genomic DNA"
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/organism="unknown"
/mol_type="genomic DNA"
                                                                          2648 AACTGATGCCTTATCTTGACC 2668
                                                                                            21 AACTGATGCCCTATTTTGCCC 1
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          Query Match
Best Local Similarity 85.73
Matches 18; Conservative
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Best Local Similarity
Matches 16; Conserva
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Unclassified.
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Best Local Similarity
Matches 16; Conserv
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AX215201/c
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AR561693/c
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Pax-5-deficient pro-B cells, methods of producing them and the use of such cells in human therapy
Patent: BP 1361268-A 26 12-NOV-2003;
Boehringer Ingelheim International GmbH (DE)
Location/Qualifiers
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/mol type="unassigned DNA"
/db_xref="taxon:32630"
/noce="Description of Artificial Sequence: PCR Primer"

    1. .21
    /organism="synthetic construct"
    /mol_type="unassigned DNA"
    /db_xref="taxon:32630"
    /noFe="Description of Artificial Sequence: PCR Primer"

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15.7%; Pred. No. 84;
ve 0; Mismatches 3; Indels
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                                                                             /organism="synthetic construct"
/mol_type="unassigned RNA"
/bxref="taxon:32630"
/noTe="siRNA targeting SARS"
               Patent: WO 2004083430-A 16 30-SEP-2004;
Santaris Pharma A/S (DK)
Location/Qualifiers
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synthetic construct
other sequences, artificial sequences.
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other sequences, artificial sequences.
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85.7%; Pred. No. 84;
ative 0; Mismatches
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Sequence 26 from Patent EP1361268.
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Conservative
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Best Local Similarity 85.7
Matches 18; Conservative
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Matches 18; Conserv
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AX951931/c
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PAT 08-AUG-2001
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Abe, S. and Sato, Y.
Solid phases for target nucleic acid detection, process for production thereof, and method of target nucleic acid detection Patent: US 6225056-A 10 11-MAY-2001;
Location/Qualifiers
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apoptosis and/or viral resistance phenomena and their use as medicines
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100.0%; Pred. No. 87;
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Schwarz,M.A., Zhang,F. and Gebb,S.A.
Methods of facilitating vascular growth
Patent: US 6306612-A 6 23-CCT-2001;
                                             Molecular Engines Laboratories (FR)
Location/Qualifiers
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Best Local Similarity 100.0%; Pred. No. 87;
Matches 16; Conservative 0; Mismatches
                                                                                                                                                                                 Score 16; DB 1;
Pred. No. 87;
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                                                                                                                                                                                           100.0%; Pred. nv.

    .17
/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"

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Matches 16; Conservative 0; Mismatches
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/mol_type="unassigned DNA"
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/organism="unknown"
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Best Local Similarity
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AR148114
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TITLE
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AR173949
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
                                                                               Blatt, L., Mcswiggen, J. and Chowrira, B.M.
Method and reagent for the modulation and diagnosis of cd20 and
nogo gene expression
Patent: WO 0159103-A 643 16-AUG-2001;
RIBOZYME PHARMACEUTICALE, INC. (US); Blatt, Lawrence (US);
McSwiggen, James (US); Chowrira, Bharat M. (US)
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                      Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Telerman, A., Amson, R. and Tuijnder, M.
Sequences involved in tumoral suppression, tumoral reversion, apoptosis and/or viral resistance phenomena and their use as medicines
Patent: WO 03040369-A 668 15-MAY-2003;
Molecular Engines Laboratories (FR)
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Sequences involved in tumoral suppression, tumoral reversion.
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/mol_type="unassigned RNA"
/db_xref="taxon:32630"
/noce="Nucleic Acid"
                                                                                                                                                                                                                                                                                                 Query Match 0.3%; Score 16; DB 1; Best Local Similarity 100.0%; Pred. No. 87; Matches 16; Conservative 0; Mismatches
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Sequence 5480 from Patent W003040369.
AX762159 GI:32256775
                               synthetic construct
other sequences; artificial sequences.
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AX757347
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Homo sapiens
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                   synthetic construct
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REFERENCE AUTHORS TITLE JOURNAL

RESULT 92 AR173955 LOCUS

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cher sequences; artificial sequences.

Cher sequences; artificial sequences.

Cher sequences; artificial sequences.

S Schwarz,M., Zhang,F. and Gebb,S.A.

Methods of facilitating vascular growth

Patent: JP 2002542145-A 12 10-DEC-2002;

CHILDREN'S HOSPITAL OF LOS ANGELES

OS Artificial Sequence

PD 10-DEC-2002

PD 10-DEC-2002

PP 12-NOV-1999 UP 2000582601

PR 13-NOV-1999 US 60/108435

PI MARGARET SCHWARZ,FANGRONG ZHANG,SARAH A GEBB

PC AGIR45/00,AGIR9/08,AGIR39/395,AGIR45/06,AGIR47/02,AGIP9/00, PC
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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PC A61P43/00, C07K2/00, C07K16/18, C12N15/09, C12Q1/02, C12Q1/
G01N33/15, G01N33/53, G01N33/53, G01N33/56, C12N15/00 CC
PC G01N33/50, G01N33/53, G01N33/56, C12N15/00 CC
Description of Artificial Sequence: primer
FH Key
1 . .21
FT source
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PT /organism='Artificial Sequence'
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/organism='Artificial Sequence'
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0.3%; Score 16; DB 1; Length 21;
Best Local Similarity 88.9%; Pred. No. 87;
Matches 16; Conservative 1; Mismatches 1; Indels
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Human single nucleotide polymorphisms
Patent: WO 0138776-A 341 31-MAY-2001;
WHITEHEAD INSTITUTE FOR BIOMEDICAL RESEARCH (US)
Location/Qualifiers
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/organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"
                                                                                                                             BD271303 21 bp DNA Methods of facilitating vascular growth.
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Sequence 341 from Patent WO0138576.
AX154243

    .21
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BD271303.1 GI:33081071
JP 2002542145-A/12.
synthetic construct
synthetic construct
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GAGCCATCTTCATGAT 20
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AX154243
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PC A61P43/00, CO7K2/00, CO7K16/18, C12N15/09, C12Q1/02, C12Q1/06, C07K2/00, C07K16/18, C12N15/09, C12Q1/02, C12Q1/02, C12Q1/03/15, PC A61P43/53, G01N33/50, G01N33/50, G01N33/50, G01N33/50, G01N33/50, G01N33/50, G01N3/50, G01N3
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/mol_type="genomic DNA"
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Schwarz, M.A., Zhang, F. and Gebb, S.A.
Methods of facilitating vascular growth
Patent: US 6306612-A 12 23-OCT-2001;
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  /organism="unknown"
/mol_type="unassigned DNA"
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Sequence 12 from patent US 6306612.
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JP 2002542145-A/6.
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AR173955.1 GI:17914275
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REFERENCE AUTHORS

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Kamb, A. Probes for MTS1 gene and polynucleotides encoding mutant MTS1 genes Patent: US 5801236-A 8 01-SEP-1998;
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Best Local Similarity 89.5%; Pred. No. 91;
Matches 17; Conservative 0; Mismatches
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                   Amb, A.
MTS1E1.beta. gene
Patent: US 5739027-A 8 14-APR-1998;
Location/Qualifiers
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/organism="unknown"
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Unclassified.
1 (bases 1 to 20)
Stone, S., Jiang, P. and Kamb, A.
Mouse MTSI gene
Patent: US 5843756-A 8 01-DEC-1998;
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Best Local Similarity 89.5%; Pred. No. 91;
Matches 17; Conservative 0; Mismatches
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/organism="unknown"
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Sequence 8 from patent US 5843756.
AR062780
AR062780.1 GI:5990471
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Sequence 8 from patent US 5801236.
AR037500.1 GI:5955356
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AR037500/c
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AR062780/c
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                                                                                                                                                                                                   Unclassified.
Unclassified.
1 (bases 1 to 19)
Campbell,K.P., Roberds,S.L., Sunada,Y., Piccolo,F., Jeanpierre,M. and Kaplan,J.-C.
Methods for detecting primary adhalinopathy
Patent: US 5733732-A 21 31-MAR-1998;
Location/Qualifiers
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I (bases 1 to 19)

RS Cohen, D. (chumakov, I. and Blumenfeld, M. Blallelic markers for use in constructing a high density disequilibrium map of the human genome location/Qualifiers

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0.3%; Score 15.8; Di
Best Local Similarity 89.5%; Pred. No. 91;
Matches 17; Conservative 0; Mismatches
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                                                                                                         19 bp | Sequence 21 from patent US 5733732.
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/organism="unknown"
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Sequence 8 from patent US 5739027.
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           4030 TGGCTCTGCATTGGTACA 4047
                         1 TGGCTCTGAAYTGGTACA 18
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AR001320.1 GI:3963387
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Best Local Similarity 89.5%;
Matches 17; Conservative (
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AR001320/c
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PAT 08-AUG-2001
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                                          Length 20;
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Unclassified.
B (Dassified.
R (Dassel 1 to 20)
R Stone, S., Jiang, P. and Kamb, A.
Mouse MTS2 gene
And Patent: US 6210349-A 8 03-APR-2001;
Location/Qualifiers
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/mol_type="unassigned DNA"
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/organism="unknown"
/mol_type="unassigned DNA"
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AR145921/c
AR145921
AR145921
DEFINITION Sequence 8 from patent US 6218146.
/organism="unknown"
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Location/Qualifiers
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Sequence 8 from patent US 6210949.
AR144920.
AR144920.1 GI:15106787
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Sequence 8 from patent US 6180776.
AR127753
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MTS2 gene
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AR127753/c
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AR144920/c
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Skolnick,M.H., Cannon-Albright,L.A. and Kamb,A.
Methods for detecting predisposition to cancer at the MTS gene
Patent: US 5989815-A 8 23-NOV-1999;
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0.3%; Score 15.8; DB 1; Length 20;
Best Local Similarity 89.5%; Pred. No. 91;
Matches 17; Conservative 0; Mismatches 2; Indels
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Antibodies specific for MTS2 Polypeptide
Patent: US 6140473-A 8 31-OCT-2000;
Location/Qualifiers
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/organism="unknown"
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1. .20
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Location/Qualifiers
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Sequence 8 from patent US 5994095.
AR091328
AR091328.1 GI:10018083
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Sequence 8 from patent US 6140473.
AR118034 GI:14098940
                                             Sequence 8 from patent US 5989815.
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Unclassified.
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MTS2 gene
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AR091328/c
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AR118034/c
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AR087858/c
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Patent: WO 2004003201-A 692 08-JAN-2004;
Pharmacia Corporation (US)
Location/Qualifiers
1. .20
/organism="Mynthetic construct"
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/noTe="Human LRH1 antisense"
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Patent: Wo 2004003201.4 1640 08-JAN-2004;
Pharmacia Corporation (US)
Location/Qualifiers
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/organism="synthetic construct"
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/db_xref="teaxon:32630"
/noTe="Human LRH1 antisense"
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Sequence 1640 from Patent WO2004003201.
CQ763022 CQ763022.1 GI:44906258
                                             CQ762074 20 bp DNA Sequence 692 from Patent WO2004003201. CQ762074
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synthetic construct
other sequences; artificial sequences.
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89.5%; Pred. No. 91;
tive 0; Mismatches
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Sequence 8 from patent US 5624819.
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synthetic construct
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Best Local Similarity 89.5
Matches 17; Conservative
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Unclassified.
1 (bases 1 to 20)
                                                                                                                                                                                                                                                       Kane, C.D.
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CQ763022/c
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I41154/c
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other sequences; artificial sequences.

In (bases 1 to 20)
Sim,G., Yang,S., Dreitz,M.J. and Wonderling,R.S.
Canine and felline immunoregulatory proteins, nucleic acid molecules and method of using the same method of using the same method of using the same patent: JP 2002516104-A 115 04-JUN-2002;

Artificial Sequence
PN JP 2002516104-A/115
PN JP 2
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C07K14/54,
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/organism="synthetic construct"
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/db_xref="taxon:32630"
                                                                                                                                                                                                                                                                                                                                             0.3%; Score 15.8; D
89.5%; Pred. No. 91;
cive 0; Mismatches
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Patent: US 6218146-A 8 17-APR-2001;
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1. .20
/organism="unknown"
/mol_type="unassigned DNA"
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                                                                                                        Unclassified.
1 (bases 1 to 20)
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Best Local Similarity 89.5
Matches 17; Conservative
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PAT 20-DEC-2002
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Unclassified.
Unclassified.
1 (bases 1 to 20)
Sin,G.-K., Yang,S., Dreitz,M.J. and Wonderling,R.S.
Sin,G.-K., Tang,S., Dreitz,M.J. and Wonderling,R.S.
Caniney IL-13 immunoregulatory proteins and uses thereof
Patent: US 6482403-A 143 19-NOV-2002;
Patent: Location/Qualifiers
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                                                                                                                             1 (bases 1 to 20)
Sim,G.-K., Yang,S., Dreitz,M.J. and Wonderling,R.S.
Canine IL-4 immunoregulatory proteins and uses thereof
Patent: US 6471957-A 143 29-OCT-2002;
Location/Qualifiers
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                       linear
                   20 bp Di
Sequence 143 from patent US 6471957.
AR241587
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Sequence 143 from patent US 6482403.
AR254543
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Sequence 5 from patent US 6589726.
AR352007.1 GI:33756966
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/organism="unknown"
/mol_type="genomic DNA"
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/mol_type="genomic DNA"
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/organism="unknown"
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Bennett, C.F. and Watt, A.T.
Antisense modulation of tumor necrosis factor receptor 2 expression Patent: US 6410334-A 138 25-UNV-2002;
Location/Qualifiers
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1 (bases 1 to 20)

Monia, B.P. and Wyatt, J.
Antisense inhibition of Phosphorylase kinase beta expression Patent: 18 6 368856-A 36 09-APR-2002;

Location/Qualifiers
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                                                                                                              0.3%; Score 15.8; DB 1; Length 20; 89.5%; Pred. No. 91; ative 0; Mismatches 2; Indels
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     and Kamb, A.
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Sequence 138 from patent US 6410324.
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Best Local Similarity 89.5%; Pred. No. 91;
Matches 17; Conservative 0; Mismatches
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    Skolnick, M.H., Cannon-Albright, L.A. Germline mitations in the MTS gene Patent: US 5624619-A 8 29-APR-1997; Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   /mol_type="unassigned DNA"
                                                                                  /mol_type="unassigned DNA"
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/organism="unknown"
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/organism="unknown"
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AR215823.1 GI:23314079
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Best Local Similarity 89.5'
Matches 17; Conservative
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AR205352/c
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Gaps

PAT 06-AUG-2001

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Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Patent: WO 0142511-A 1782 14-JUN-2001;
WHITEHEAD INSTITUTE FOR BIOMEDICAL RESEARCH (US); Ellipsis
Blotherapeutics Corporation (CA)
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Unclassified.

1 (bases 1 to 21)
Cohen, D., Chumakov, I. and Blumenfeld, M.
Biallelic markers for use in constructing a high density
disequilibrium map of the human genome
Patent: US 637751-A 8727, 25-WAR-2003;
Location/Qualifiers
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Seguence 8727 from patent US 6537751.
AR296992
                                                                              Carson, D.A. and Nobori, T.
Cyclin dependent kinses 4 inhibitor
Patent: US 6689864-A 6'10-FEB-2004;
Location/Qualifiers
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Sequence 1782 from Patent WO0142511.
AX184029
AX184029.1 GI:15135365

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    /db_xref="taxon:9606"

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/mol_type="genomic DNA"
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Carson,D.A. and Nobori,T.
Tumor suppressor gene and methods for detection of cancer,
monitoring of tumor progression and cancer treatment
Patent: US 668561-A 6 10-FEB-2004;
Location/Qualifiers
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Buechler,J., Valkirs,G., Gray,J. and Lonberg,N.
Human antibodies as diagnostic reagents
Patent: US 6680209-A 4 20-JAN-2004;
Location/Qualifiers
                            Query Match 0.3%; Score 15.8; D
Best Local Similarity 89.5%; Pred. No. 91;
Matches 17; Conservative 0; Mismatches
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Best Local Similarity 89.5%; Pred. No. 91;
Matches 17; Conservative 0; Mismatches
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Sequence 6 from patent US 6689864.
AR474038
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/mol_type="genomic DNA"
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/organism="unknown"
/mol_type="genomic DNA"
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/organism="unknown"
/mol_type="genomic DNA"
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Brinkmann, U. and Hoffmeyer, S.
Polymorphisms in human genes of cardiovascular regulators and their use in diagnostic and therapeutic applications
Patent: WO 022447-A 373 28-MAR-2002;
Epidauros Biotechnologie AG (DE)
Location/Qualifiers
                                                                                                       PAT 14-JUN-2002
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Polymorphisms in human genes of cardiovascular regulators and their use in diagnostic and therapeutic applications
Patent: WO 0224747-A 374 28-MAR.2002;
Epidauros Biotechnologie AG (DE)
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/organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="teaxon:32630"
/noEe="artificial sequence"
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Sequence 373 from Patent W00224747.
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Sequence 374 from Patent W00224747.
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Sequence 13 from Patent WO02088180.
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Mammalia, Eutheria, Rodentia, Sciurognathi, Muridae, Murinae, Mus.
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Patent: EP 114862-A 68 11-JUL-2001;
Switch Biotech Aktiengesellschaft (DE)
Location/Qualifiers
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/organism="synthetic construct"
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                                  Score 15.8; D
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Pred. No. 91;
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AX140444
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Sequence 68 from Patent EP1114862.
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Best Local Similarity 89.5%;
Matches 17; Conservative 0
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Best Local Similarity 89.5%;
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Wolf.E. Werner.S., Halle, J.P., Regenbogen, J. and Goppelt, A.

Use of polypeptides for diagnosis or remedy of dermatology diseases
or nucleic acids encoding the same, and use thereof for
identification of pharmacologically active substances
of patent: JP 2001292783-A 8 23-OCT-2001;
SWITCH BIOTECH AG
OS Artificial Sequence
PR J7-NOV-2000 JP 2000351811
PR 17-NOV-2000 JP 2000351811
PR 17-NOV-1999 DE 19955349.1,17-DEC-1999 US 172511 PR
20-JUN-2000 DE 10030149.5
PI BCKARD WOLF, SABINE WERNER, JOERN PETER HALLE, JOHANNES PI
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Bukaryota, Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.

1 (bases 1 to 21)

Wolf, B., Werner, S., Halle, J.P., Regenbogen, J. and Goppelt, A.

Use of polypeptides for diagnosis or remedy of dermatology diseases or nucleic acids encoding the same, and use thereof for identification of pharmacologically active substances

Extent: JP 2001292783-A 10 23-OCT-2001;
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21 bp DNA linear PAT 27-AUG-2002
Use of polypeptides for diagnosis or remedy of dermatology diseases
or nucleic acids encoding the same, and use thereof for
identification of pharmacologically active substances.
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PN JP 2001292783-A/10
PD 23-OCT-2001
PP 17-NOV-2000 JP 2000351811
PR 17-NOV-1999 DE 19955349.1,17-DEC-1999 US 17251
PI CAUDN-2000 DE 10030149.5
PI ECKEND WOLF, SABINE WERNER, JOERN PETER HALLE, JOHANNES REGENBOGEN,
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/organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"
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Mus musculus (house mouse)
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BD079124.1 GI:22624727
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Matches 17; Conserv
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                                                                                                                                                                   Halle, J.P., Goppelt, A. and Hof, P.
Use of alpha 1-antichymotrypsin polypeptides or nucleic acids
encoding them, or of a cell which is expressing an act polypeptide,
or a nucleic acid encoding it, for treatment and/or prevention of
diabetes-associated and/or arterial poorly healing wounds and for
identifying pharmacologically active substances
Patent: WO 0208180-A is 07-NOV-2002,
Switch Biotech GmbH (DE)
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                                                                                                    Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Rodentia, Sciurognathi, Muridae, Murinae, Mus.
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Modified peptides and their uses
Patent: WO 03035692-A 4 01-MAY-2003;
THE VICTORIA UNIVERSITY OF MANCHESTER (GB)
Location/Qualifiers
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/organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"
/noTe="Primer"
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89.5%; Pred. No. 91;
:ive 0; Mismatches
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0; Mismatches
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/organism="Mus musculus"
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Sequence 4 from Patent WO03035692.
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                                                    Mus musculus (house mouse)
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     AX642667.1 GI:28474969
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Matches 17; Conserv
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REFERENCE AUTHORS

JOURNAL

FEATURES

DEFINITION

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PAT 07-SEP-2001

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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;
Mammalia; Butheria; Rodentia; Sciurognathi; Muridae; Musinae; Mus
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Method and reagent for the modulation and diagnosis of cd20 and nogo gene expression
Patent: WO 0159103-A 963 16-AUG-2001;
RIBOZYME PHARMACEUTICALS, INC. (US); Blatt, Lawrence (US);
McSwiggen, James (US); Chowrira, Bharat M. (US)
Location/Qualifiers
                                                                              Blatt,L., Mcswiggen,J. and Chowrira,B.M. Method and reagent for the modulation and diagnosis of cd20 and
                                                                                                                      nogo gene expression
Patent: WO 0159103-4 962 16-AUG-2001;
RIBOZYME PHARMACEUTICALS, INC. (US) ; Blatt, Lawrence (US)
McSwiggen, James (US) ; Chowrira, Bharat M. (US)
Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   /organism="synthetic construct"
/mol type="unassigned RNA"
/mol type="unassigned"
/db xref="taxon:32630"
/nofe="Nucleic Acid"
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/organism="synthetic construct"
/mol_type="unassigned RNA"
/db_xref="teaxon:32630"
/note="Nucleic Acid"
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                                             other sequences; artificial sequences.
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Sequence 963 from Patent WO0159103.
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Mus musculus
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GO1N33/50,GO1N33/50,GO1N33/53,GO1N33/53,GO1N33/566,GO1N33/577// PC

(C12NS/10,C12N1:91),C12N15/00,A61K37/02,C12N5/00,C12N15/00, PC

(C12NS/00,C12R1:91)

CC Use of polypeptides for diagnosis or remedy of dermatology CC

diseases or
                                                     AGIP17/02, C07K14/47, C07K16/18, C07K16/40, C12M1/00, C12N5/10, PC
       C12N15/09,A01K67/027,A61K31/713,A61K38/00,A61K39/395,A61K39/
395,A61K48/00,
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Method and reagent for the modulation and diagnosis of cd20 and
nogo gene expression
Patent: WO 0159103-A 63 16-AUG-2001;
RIBOZYME PHARACEUTICALS, INC. (US);
McSwiggen, James (US); Chowrira, Bharat M. (US)
Location/Qualifiers
                                                                                     PC C12N9/02, C12N9/16, C12N15/02, C12P21/02, C12P21/08, C12Q1/68, G01N33/15,
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Location/Qualifiers
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/mol type="unassigned RNA"
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/nore="Nucleic Acid"
                                                                                                                                                                                                                                                                               pharmacologically active substances
Key Location/Qualifiers
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0.3%; Score 15.4; D
Best Local Similarity 94.1%; Pred. No. 97;
Matches 16; Conservative 0; Mismatches
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89.5%; Pred. No. 91;
iive 0; Mismatches
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Sequence 63 from Patent WO0159103.
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AX214621.1 GI:15524664
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Best Local Similarity 89.5'
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PAT 08-MAY-2003

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Length 17;

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/organism="Homo sapiens"
/mol_type="unassigned DNA"
/mol_xref="taxon:9606"
1. .18
/note="upstream amplification primer 99-28352 for SEQ 151"
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Sequences involved in tumoral suppression, tumoral reversion,
apoptosis and/or viral resistance phenomena and their use as
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                                                                                             DB 1; Length 17;
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Molecular Engines Laboratories (FR)
Location/Qualifiers
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0.3%; Score 15.4; D
Best Local Similarity 94.1%; Pred. No. 97;
Matches 16; Conservative 0; Mismatches
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Best Local Similarity 94.1%; Pred. No. 97;
Matches 16; Conservative 0; Mismatches
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Sequence 322 from Patent WO0206525.
AX378533
                               /mol_type="unassigned DNA"
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/db_xref="taxon:9606"
           /organism="Homo sapiens"
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Matches 16; Conservative
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Mammalia, Eutheria, Rodentia, Sciurognathi, Muridae, Murinae, Mus.
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Mammalia, Butheria, Primates, Catarrhini, Hominidae, Homo.
Sequences involved in phenomena of tumour suppression, tumour reversion, apoptosis and/or virus resistance and their use as medicines
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                                                                    Patent: WO 03025176-A 2382 27-MAR-2003;
Molecular Engines Laboratories (FR)
Location/Qualifiers
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Patent: WO 03025176-A 5330 27-MAR-2003;
Molecular Engines Laboratories (FR)
Location/Qualifiers
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Molecular Engines Laboratories (FR)
Location/Qualifiers
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Sequence 110 from Patent WO03040369.
AX756789
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Best Local Similarity 94.1%; Pred. No. 97;
Matches 16; Conservative 0; Mismatches
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ACCESSION VERSION KEYWORDS SOURCE ORGANISM

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Labgaes 1 to 20)
Labjane, A. and Suerbaum, S.
Imbigue, A. and Suerbaum, S.
ENCODING SAID POLYPEPTIDES
FOLYPEPTIDES FOR USE IN THE COMPOSITIONS AND NUCLEIC ACID SEQUENCES
ENCODING SAID POLYPEPTIDES
PACHEL: WO 9426901-A 14 24-NOV-1994;
PASTEUR INSTITUT (FR); INST NAT SANTE RECH MED (FR)
Location/Qualifiers
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Labigne, A., Suerbaum, S., Ferrero, R.L. and Thiberge, J.-M.
Labigne, A., Suerbaum, S., Ferrero, R.L. and Thiberge, J.-M.
Immunogenic compositions against helicobacter infection,
polypeptides for use in the compositions, and nucleic acid
sequences encoding said polypeptides
Patent: US 5843460-A 6 01-DEC-1998;
Location/Qualifiers
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Sequence 14 from Patent WO9426901.
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/organism="unknown"
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A73298.1 GI:6064075
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AR161668/c
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AR061035/c
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1 (bases 1 to 18)

25 (bases 1 to 18)

36 Hollinger, J.O., Win, S.R., Edmondo, F. and Wang, S.S.

Treatment of bone loss with osteoblastoma precursor cells

Treatment of bone loss with osteoblastoma precursor cells

Artificial Sequence

OR Artificial Sequence

PN JP 200250282-A/11

PD 29-JAN-2002

PR 10-FEB-1999 JP 2000530221

PR 10-FEB-1999 US 60/074240,12-FEB-1998 US 60/074451 PI

PR 10-FEB-1999 US 60/074240,12-FEB-1998 US 60/074451 PI

ARTIZ9/00,

AGIL29/00,

PC AGIRS/L29/00, PC

AGIL29/00,

AGILS9/00,

AGILS9/00,

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                   Boshoff, C. Vaccines against kaposi's sarcoma-associated herpesvirus Vaccines against kaposi's 20-FEB-2003; Patent: WO 03014154-A 13 20-FEB-2003; University College London (GB) Location/Qualifiers
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0.3%; Score 15.4; DB 1; Length 18;
Best Local Similarity 94.1%; Pred. No. 98;
Matches 16; Conservative 0; Mismatches 1; Indels
                                                                                                                                                                                                                 linear

    18
        forganism="synthetic construct"
/mol type="genomic DNA"
/db_xref="taxon:32630"

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/organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"
/noTe="PRIMER"
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Sequence 13 from Patent WO03014154.
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JP 2002502822-A/11.
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AX765627.1 GI:32259820
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BD124158/c
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AR294465/c
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AR308288
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PC C12N149,C12N1/21,C12N5/10,05

PC C12N1/19,C12N15/00,05

PC C12N1719,C12N15/00,05

PC ANA37/66,C12N15/00

PC Atrandedness: Single;

PC Topology: Linear;

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unclassified.
1 (bases 1 to 20)
Chen, J., Filvaroff, E., Goddard, A., Gurney, A.L., Li, H. and Wood, W.I.
IL-17 homologous polypeptide and its application to remedy
Patent: JP 2002515246-A 98 28-MAY-2002;
GENENTECH INC
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     PAT 17-0CT-2001
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CI2NIS/09,A61K38/21,A61K45/00,A61P19/00,C07K14/52,C07K16/24,
C07K19/00,
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PN JP 2002515246-A/98
PD 28-MAY-2002
PF 14-MAY-1999 JP 2000549734
PR 15-MAY-1998 US 60/085579,23-DEC-1998 US 60/113621 PI
JIAN CHEN, ELLEN PILVAROFF, AUDLEY GODDARD, AUSTIN L GURNEY, PI
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Labalgne, A., Suerbaum, S., Ferrero, R.L. and Thiberge, J.-M.
Lamaunogenic compositions against helicobacter infection,
polypeptides for use in the compositions, and nucleic acid
sequences encoding said polypeptides
Patent: US 628359-A 6 10-JUL-2001;
Location/Qualifiers
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0.3%; Score 15.4; D
Best Local Similarity 94.1%; Pred. No. 98;
Matches 16; Conservative 0; Mismatches
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Best Local Similarity 94.1%; Pred. No. 98;
Matches 16; Conservative 0; Mismatches
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20 bp
Sequence 6 from patent US 6258359.
AR161668
AR161668.1 GI:16228523

    .20
    /organism="unidentified"
/mol_type="genomic DNA"
/db_xref="taxon:32644"

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/organism="unknown"
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       PAT 20-DEC-2002
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                                                                                                                                       1 (bases 1 to 20)
Egholm,M., Nielsen,P., Buchardt,O., Dueholm,K.L., Christensen,L.,
Colli,J.M., Kiely,J. and Griffith,M.
Peptide nucleic acids
Patent: US 6451968-A 49 17-SEP-2002;
                                                                                                                                                                                                                                                                                                                                                    Gaps
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Cohen, D., Chumakov, I. and Blumenfeld, M.
Biallelic markers for use in constructing a high density disequilibrium map of the human genome Patent: US 637751-A 6200 25-MAR-2003, Location/Qualifiers
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94.1%; Pred. No. 98;
tive 0; Mismatches 1;
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20 bp 1
Sequence 49 from patent US 6451968.
AR231312
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Sequence 6 from patent US 6555311.
AR308288
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/mol_type="genomic DNA"
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4586 CCACACAGGGCTTCATC 4602

PAT 16-SEP-2000

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Bartholomeusz,A.I., Locarnini,S.A., Aye,T.T. and de Man,R. Viral variants and methods for detecting same patent: WO 9821317-A 6 22-MAY-1998; LOCARNINI STEPHEN ALISTER (BARTHOLOMEUSZ ANGELINE INGRID (AU); LOCARNINI STEPHEN ALISTER (; WESTERN HEALTH CARE NETWORK (AU); AYE THEIN THEIN (AU); MAN ROBERT A DE (AU)
                                                                                                                                                          Hepatitis B virus
Hepatitis B virus
Viruses; Retroid viruses; Hepadnaviridae; Orthohepadnavirus.
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Pred. No. 98;
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ISIS INNOVATION LIMITED (GB)
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Sequence 156 from Patent W003000727.
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Sequence 6 from Patent WO9821317.
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Protein associated to hereditary spastic paraplegia
Patent: WO 9958556-A 31 18-NOV-1999;
FONDAZIONE TELETHON (IT); BALLABIO ANDREA (IT); CASARI GIORGIO (IT)
Location/Qualifiers
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 Locarnini,S.A., Bartholomeusz,A.I., Aye,T.T. and de Man,R.A.
Viral variants and methods for detecting same
Patent: US 6555311-A 6 29-APR-2003;
Location/Qualifiers
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Gatanaga, T. and Granger, G.A.
Tumor necrosis factor receptor releasing enzyme
Patent: US 6593456-A 98 15-JUL-2003;
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Sequence 98 from patent US 6593456.
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locarnini,S.A., Bartholomeusz,A.I., Aye,T.T. and Man,R.A.D.
Viral variants and methods for detecting same
Patent: JP 2001503277-A 6
NORTH WESTERN HEALTH CARE NETWORK
OS Hepatitis virus (hepatitis B virus)
PN JP 2001503277-A/6
PN JS-AUG-1997 JP 1998521944
PR 08-NOV-1996 AU PO 3519
PR 15-AUG-1997 JP 1998521944
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Hepatitis C virus Hepatitis C virus Hepatitis C virus	Hepatitis C virus	Primer for manipul	Thiopurine S-methy	Rhodosporidium mut	Murine alpha-L-idu	Kringle protein 14	Human protease reg	Prion protein poly	Rat KDR cytosolic	Nucleotide #4 for	Tail orimer #146 f	Human Pdx-1 revers	Primer for rat cer	cdk-we-hu ribozyme	Drimer #24 in inve	2'-MOE gapmer anti	Antisense 2'-MOE g	Molecular beacon t	Acetylated aminopr	DOD primer. Synch	Human Vbeta gene r	4 synthesis-period	Hepatitis B virus	Hepatitis B virus	Vector-specific pr	Primer SK-Zap for	T3 PCR primer for	Mch6 cloning prime	Primer for DNA enc	Mammallan ced-3 no	Primer for amplify	Human telomeric re	p21 promoter, olig	human Pisk regulat ISIS antieense oli	Human JAGGED1 gene	1,5-anhydroglucito	Negative Control p	Chimeric phosphoro	Human ESM-1 antise	Human ESM-1 antise	VIDLY gene, single	Matrix metalloprot	TCRB tubes A and B	Mouse VEGF reverse	PCK primer H used	B. thuringiensis c	PCR primer H used	B. thuringiensis c	PCK primer H used	Human ALMS1 PCR pr	Bovine GHR exon am	4 synthesis-period	Human PCK primer 8	PCR primer for clo	Human TNFR2 antise
ADR82257 ADR82261 ADR82258	ADR82256	ADK82259 AAT32292	ACF79629	ADE36253	AAZ07017	ABQ / 8896 AAS 19218	ABZ59876	AD081152	ADR32355	ADR57967	ARA10153	ADR32218	AAT87932	AAA83687	AAC120043	ADH18861	AD033402	ABL57072	ADR42646	AAC923/1	ADH70614	AD016062	ADR32106	ADR67796	AAT66995	AAT90091	AAS12632	AAD15659	AAH25194	ADE52023	AAT18426	AAH20641	ADJ45219	ADL34626	AAX06717	AAF32481	AAF83180	ADK80790	ADL59618	ADL59444	AUL53682 AAS11777	ACC57852	ADM94102	ADQ90421	AAV27859 AAVE0013	AAA08162	AAD44228	ABS70799	AAD59856	ACF42669	ADI04018	AD016768	ADM06310	AAX76854	ABQ74807
119																																																							
4.4.4.	•		•		•	•		•	•	•	•		•	•	•		•	•	•	•				•	•	•			•			•	•			•	•		•	•	•		•	•	•		•	•	•			•	•		•
91 61	σ.	1.9 8.4	4.6	4.4	8.2	7.0	2.8	8.2	.	20 0	7 T	7.8	7.4	4.4	* 4	7.4	7.4	7.4	4.7	* 4	. 2.	7.2	7.2	7.2									17	. e	8.9	8.9	æ. o	. 8.	6.8	æ. (o a	8.9	8.9	8.9			8.9	8.9		. 8.	6.8	8.9	4.4	. 4.	4.4
c 326 c 327 c 328	e c	331	m c	34.	335	2 6	338	339	c 340	m c	7 7 7	344	345 1	46	348	349	50 1	351 1	52	253	355	56	357 1	58 1	29	9 5	7 2 2	63	64	365	67	368	69	5.5	72	373 1	74 1	76	377 1	78	י ה	381	82 1	83	48	98	87 1	88	689	91	392	93	94	96	76
ISIS antisense oli ISIS antisense oli Phosphoinositide-3	Phosphoinositide-3	ISIS antiBenBe Oli	ISIS antisense oli	Phosphoinositide-3	Phosphoinositide-3	ISIS antibense oli	ISIS antisense oli	ISIS antisense oli	ISIS antisense oli	ISIS antisense oil	TOTO SULLEGUISM OIL	ISIS antisense oli	ISIS antisense oli	Phosphoinositide-3	phoenhoinositide-3	ISIS antisense oli	ISIS antisense oli	ISIS antisense oli	ISIS antisense oli	Phosphoinositide-3	Phosphoinositide-3	Phosphoinositide-3	Phosphoinositide-3	ISIS antisense oli	ISIS antisense oli	ISIS antisense oli	ISIS antigense oli	Phosphoinositide-3	Phosphoinositide-3	Phosphoinositide-3	ISIS antisense oli	ISIS antisense oli	ISIS antisense oli	ISIS antisense oli Phosphoinositide-3	Phosphoinositide-3	Phosphoinositide-3	Phosphoinositide-3	ISIS antisense oli	ISIS antisense oli	Phosphoinositide-3	Phosphoinositide-3	Phosphoinositide-3	Micro-channel mole	Primer used for su	Grand fir monoterp	Hantaan hantavirus		Human TNF receptor	Immunostimulatory	Imminostimulatory	Immunostimulatory	Non-Cpg DNA oligon	Non-CpG DNA oligon	Human microarray D	U۰r
1 ADL34628 1 ADL34635 1 ADL34650																																																							
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2553 2554 555	256	258 258	259	261	262	263	265	266	267	268 268	270	271	272	273	777	276	277	278	279	280	282	283	284	285	286	287	288	290	291	292	293 294	295	296	297 298	299	300	301	303	304	305	306	308	309	310	311	312	14	15	16	18	19	20	21	3 6	4.0

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AA284245-derived o AA465687-derived o	ucocortic	Human glucocortico	Human VEGF-C antis	Auman Vecr-c carye	Antisense DNA olig	Human endothelial	Human endothelial	Chimeric phosphoro	theric prospicto	Human Bow-1 antise			Ocmolyto-otabilise	Darrage X recent	Rarnesoid X recept	Endothelial differ	KIAA1096 forward P	CAPN3/DYSF PCR pri	5' PCR primer for	Banana EFE gene fr	Human biallelic ma	Wound healing rela	Mouse wound healin	PCR primer #4 used	APLP2 polymorphism	Endothelin convert	Endothelin convert	Mouse alpha 1-anti	Pro-alphal(iii) cn	Template (ClGA) 3-A	FOICILLE FOLGES OF	Himan NOGO Indimicati	Human NOGO Inozyme	Murine olidonucleo	Murine oligonucleo	Tumour suppression	Tumour suppression	Silkworm juvenile	Himan obesity-asso	PCR primer used to	Human apolipoprote	Human apolipoprote	Urease gene PCR pr	Helicobacter UreB	PI3K antisense inn	Human biallelic ma	Human RECOLS inhib	CLLD8 exon 12 and	Human TRIP6 antise	Human glucocortico	Human glucocortico	Human endothelial	Chimeric phosphoro	Chimeric phosphoro	Primer of the inve	Farnesoid X recept	Farnesold X recept	Novel mucant proce	Human PI3K regulat	ISIS antisense oli	Phosphoinositide-3		
1 ABD30273	ABD26605 ADH64788	ADH64940	ADH54718	ADH54788	ADG1 /090	ADJ23137	ADJ22653	ADK81523	ADK80970	ADL59715	ADL59601	ADL59376	ADL59258	ADN35886	ADUSSOUT	AD053202	ADD 5333	AD014094	AAV37276	AAX27520	AAZ74371	ABA81997	. ABA81999	. AAS09920	. AAH62183	. ABK94358	. ABK94357	ABV76147	ACC58762	ABZ75638	L ADQ80726	_ ABK00063	L ABK00962	L ABKOUSES		L ADB39787	L ADB42797	1 ADR05333	1 AAZ08552	1 ABA110/1	1 AB2///09	1 ADR79520	1 AA075326	1 AAT45687	1 AAA13146	1 AAZ28930	1 ARX03737	1 ADG70287	1 ACC82889	1 ADH66356	1 ADH66905	1 ADJ23055	1 AD022915	1 ADK96769	1 ADN12104	1 ADO54095	1 ADO53680	1 ADT01052	1 ADH26724	1 ADL34613	1 ADL34681		
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0.3	۰. ر. م	. e.	0.3	0.3	e .		0.3	0.3	0.3	0.3	0.3	0.3	0.3	۰,۵	e. 0		? ·) e			0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	ო.	m (m c	, ,		0.3	0.3	e. 0	F. 0	m. r		. e.	0.3	0.3	0.3	7.0) r	0.3	0.3	0.3	e.0	m (9.0	. e.	0.3	0.3	e. 0	e. 0	m. r	. n.		
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Human stanniocalci Chimeric phosphoro	Chimeric phosphoro	Chimeric phosphoro	Droteasome 26S sub	Human NOV4a PCR pr	Reverse PCR primer	IFN-alpha nt723-73	Human porymorphic	Himan CTACK COMPet	restr primer #2.	Human Flt-1 DNA se	Human Flt-1 DNA se	Human NOGO Hammerh		Tumour suppression	Analytical solid p	5'-phosphorylated	Streptomyces hygro	Human PLA2G1B gene	PCR primer 8 to ge	Human matrix metal	Antisense oligo ta	Frimer for amplify	Adhalin gene fragm	Human biallelic ma	HTV siNA oliconucl	Cumpile with	HINDELL STIME CITACOL	: 1	Human and inoprote	Human apolipoprote	Probe for CDK41 ge	Human MTS1 exon2 P	Human multiple tum	Nucleotide sequenc	Sed ID#8 from US57	PCR primer 42F use	DOD Drimer for him	por primer for him	Human MTS related	Human MTS1 gene ex	Canine IL-13 sense	Oligonucleotide #8	HCO7 mice CDNA nea	Primer #/. nomo s pop primer #3 ised	Mice of genotype H	Human multiple tum	Human inflammatory	Primer 42F for scr	Crygs gene related	Mammary grain Dioi	Monse TNFR2 antise	Heavy chain variab	Humanized antibody		Mouse urokinase pl	מוסאפו בא		Human CDKNZA gene-				Human oligonucieou Template (CTGA)5 f	Human calmodulin 2
1 ABD21958	1 ADK76861	1 ADK78504	1 ADO71038	1 ART08334	1 ADH17700	1 AAQ86460	1 AAZ26585	1 AAA47555	1 ADALI428	1 107635	1 207636	1 ARKO0643	1 ADB40345	1 ADB45157	1 AAV37774	1 AAX89313	1 ABK50593	1 ADI35091	1 ADJ09992	1 ADP27118	1 ADR72469	1 AAZ93879	1 AAF95501	1 AAV22621	1 AAZ698U1	1 ADG35257	1 ADG35995	1 AUL/9331	1 ADD/9082	1 AUR / 1519	1 ADVS0483	1 AA099171	1 AAT69775	1 AAV53825	1 AAV11244	1 AAV70589	1 AAA95641	1 AA248/8U	1 AAA39359	1 AAA11171	1 AAZ55597	1 AAA90517	1 AAH41615	1 AAF58177	1 AASU25/U	1 AAD04699	1 AAH91454	1 AAC83077	1 AAL37733	1 AAL45671	1 ABK68899	1 ADG24459	1 ADG24508	1 ABX13334	1 ABX17785	1 ABZ25516	1 ADB99900	1 ADF83451	1 ARZ87942	1 ABZ90375	1 ABZ89500	1 ABZ94043 1 ABZ75637	1 ABD24172
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c 399	401	402	403	404	406	407			C 410		412		414	410		817	419		c 421			424		c 426			c 429	430	c 431	c 432	C 433	434	0 450 0 450	4.00	c 438	c 439	C 440	c 441	C 442	444	4445	C 446	C 447	C 448	c 449	C 450	452	c 453	c 454	455	c 456	C 457		460	461	c 462	c 463	C 464	C 465	467	468	469	471

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ACN54858 standard; cDNA; 54

RESULT 2 ACN54858 ACN54858;

ALIGNMENTS

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New oligonucleotide libraries comprising oligonucleotides which selectively hybridize to mRNAs transcribed from a transcription unit of a genome, useful for detecting tissue-, pathology-, and developmental-
                                                                                                                                                                                                                             Human spliced transcript detection oligonucleotide SEQ ID NO:10633.
                                                                                                                                                                                                                                                                                              Human, mouse, rat, splice transcript, detection, RNA transcript, splice variant, transcriptome, oligonucleotide library, ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Faigler
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 60 BP; 14 A; 17 C; 12 G; 17 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Mintz L,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Example 1; SEQ ID NO 10633; 47pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Mintz E,
                                  ABN37885 standard; DNA; 60 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                20-JUL-2001; 2001WO-IB001903.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             28-JUL-2000; 2000US-0221607P. 02-MAY-2001; 2001US-0287724P.
                                                                                                                                                                (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Shoshan A, Wasserman A,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (COMP-) COMPUGEN INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WPI; 2002-257383/30.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           specific genes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                              40200210449-A2.
                                                                                                                                                                                                                                                                                                                                                                                                 Homo sapiens,
                                                                                                                                                                15-JUL-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               07-FEB-2002
                                                                                                  ABN37885;
Abn 788 Abn 75 Abn 788 Abn 788
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Transcription units that populate a genome. The library comprises several oligonucleotides, each capable of hybridising selectively to a set of messenger RNAs transcribed from a given transcription unit of the genome, which encodes one or more messenger RNA splice variants. The oligonucleotide libraries are useful for detecting mRNAs from a biological sample, in expression profiling studies, in qualitatively or quantitatively characterising the corresponding transcriptome, and in detecting RNA transcripts and splice variants of human or animal transcriptomes. The libraries may also be used as specialised minicanscriptomes. The libraries may also be used as specialised minicanscripts of a sub-transcriptome under a particular libraries to detect franscripts of a sub-transcriptome under a particular conficionary specific genes such as those genes only expressed in specific tissue under a specific pathological condition; to detect converse to the condition of the sub-transcripts of a sub-transcripts and splice converse of the such as those genes of the such as those genes of the such as the sub-transcripts of the variance of a transcriptome of a patient suffering from a particular disorder. ABN27253 to ABN59589 represent oligonucleotide sequences from rats, humans and mice, which are used in the exemplification of the present invention. N.B. The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format directly from WIPO at ftp.wipo.int/pub/published_pct_sequences The present invention describes oligonucleotide libraries for detecting messenger RNAs that populate a (sub-)transcriptome, where the (sub-)transcriptome comprises messenger RNAs transcribed from multiple

4290 CGTCCATGGTATCTACTGTAGTCCTGCAGATGGAAATCCTATCCTACTAACAGCTGGCTC 4349 CGTCCATGGTATCTACTGTAGTCCTGCAGATGGAAATCCTATCTACTAACAGCTGGCTC 0, Gaps Score 60; DB 1; Length 60; Pred. No. 0.04; 0; Indels 100.0%; Prec. ... 1.2%; 60; Conservative Local Similarity Query Match Matches

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Cotton, plant; EST; expressed sequence tag; transgentc plant; androecium; variety Nucotton338; library LIB3828; molecular tag; molecular marker; genetic mapping; molecular mapping; seed germination; plant growth; plant quality; plant yield; plant breeding; tissue printing; ss. Cotton androecium tissue EST Clone ID: LIB3828-025-Q6-K6-H9, SEQ:9639. Ziegler TE; Fincher KL, 12-DEC-2001; 2001US-00021323. 14-DEC-2000; 2000US-0255619P. (first entry) Deikman J, Feng PCC, (DEIK/) DEIKMAN J. (FENG/) FENG P C C. (FINC/) FINCHER K.L. (ZIEG/) ZIEGLER Ț E. Gossypium hirsutum JS2004123340-A1 24-JUN-2004. 02-DEC-2004

New isolated nucleic acid molecule that encodes a plant protein or its fragment, useful for isolating a variety of agronomically significant genes associated with plant growth, quality or yield, and as molecular WPI; 2004-479808/45.

Claim 1; SEQ ID NO 9639; 34pp; English.

tags to map genes.

The invention relates to 17880 cotton expressed sequence tags (ESTB;
ACN45220-ACN63099). The ESTB were isolated from CDNA libraries generated
CC ACN45220-ACN63099). The ESTB were isolated from cDNA libraries generated
CC from prizined or non-primed seeds from variety DPSOB, mature seeds from
variety Coker 312 Boswell 96 Field, and androecium tissue, gynoecium
c variety Coker 312 Boswell 96 Field, and androecium tissue, gynoecium
CC tissue, developing fibres, carpel walls and septa from variety
CC formation; and to transformed plants and septa from variety
CC comprising a nucleic acid of the invention. The cotton ESTB are useful as
CC comprising a nucleic acid of the invention. The cotton ESTB are useful a
CC comprising a nucleic acid of the invention. The cotton ESTB are useful
CC comprising a nucleic acid of the invention. The cotton and catabolic pathways. The nucleic acid molecules are
used for isolating a variety of agronomically significant genes
cassociated with plant growth, quality, yield, and could also serve as
clinks in metabolic and catabolic pathways. The nucleic acid molecules are
also useful for identifying genes important in initiating and maintaining
cs end germination or that may be used to mitigate stresses encountered
during seed germination. The ESTB additionally enable the acquisition of
coronomically significant genes in these tissues and/or other tissues,
and also permits the acquisition of molecular markers useful in breeding
cs genemas, genetic and molecular markers useful for
detecting the expression level or pattern of a protein or mRNA and for
detecting the expression level or pattern of a protein or mRNA and for
cotton variety Nucotton33B androecium tissue cDNA library (L183828). The
cotton variety Nucotton33B androecium tissue commerced at a pecificant or man a cotton contractor or quantity of permits of pression or parent of the prime of permits of permits of permits or man a physical parent with a permit of permits or permits or permits or parent or pattern or pattern or pattern from the US specification, but was obtained in electronic format directly from tl patent office at segdata.uspto.gov/seguence.html?DocID=US20040123340

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ACM45220-ACN63099). The ESTS were isolated from CDNA libraries generated
from primed or non-primed seeds from variety DPSOB, mature seeds from
CC variety Coker 312 Boswell 96 Field, and androecium tissue, gynoecium
CC variety Coker 312 Boswell 96 Field, and androecium tissue, gynoecium
CC variety developing fibres, carpel walls and septa from variety
C insue, developing fibres, carpel walls and septa from variety
C invention, and to transformed plants having a nucleic acid construct
C invention, and to transformed plants having a nucleic acid construct
C invention, and to transformed plants having a nucleic acid construct
C comprising a nucleic acid of the invention. The cotton ESTs are useful
C comprising a nucleic acid of the invention. The cotton ESTs are useful as
C comprising a nucleic acid construct
C molecular tags to isolate genetic regions, to isolate genes are
C members of a particular gene family. The nucleic acid molecules may be
C used for isolating a variety of agronomically significant genes
C associated with plant growth, quality, yield, and could also serve as
C links in metabolic and catabolic pathways. The nucleic acid molecules are
C seed germination or that may be used to mitigate stresses encountered
C during seed germination. The ESTs additionally enable the acquisition of
C promocres and cis-regulatory elements which will be useful to express
C promocres and cis-regulatory elements which will be useful to express
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Cotton; plant; EST; expressed sequence tag; transgenic plant; androecium; variety Nucotton33B; library LIB382B; molecular tag; molecular marker; genetic mapping; molecular mapping; seed germination; plant growth; plant quality; plant yield; plant breeding; tissue printing; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       New isolated nucleic acid molecule that encodes a plant protein or its fragment, useful for isolating a variety of agronomically significant genes associated with plant growth, quality or yield, and as molecular
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Cotton androecium tissue EST Clone ID: LIB3828-012-Q1-K6-A4, SEQ:6904.
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                                                                                                                                                                                                                               Score 44; DB 1; Length 54;
Pred. No. 1.2;
                                                                                                                                  5; Indels
                             Sequence 54 BP; 46 A; 1 C; 7 G; 0 T; 0 U; 0 Other;
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                                                                                                     Pred. No. 1.2;
0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Fincher KL,
                                                                                                                                                                                                                                                                                                                                                               BP
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  12-DEC-2001; 2001US-00021323
                                                                                  0.9%;
                                                                                                                                                                                                                                                                                                                                                               ACN52123 standard; cDNA; 51
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (first entry)
                                                                                                          Local Similarity 90.4 nes 47; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Deikman J, Feng PCC,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (DEIK/) DEIKMAN J.
(FENG/) FENG P C C.
(FINC/) FINCHER K L.
(ZIEG/) ZIEGLER T E.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WPI; 2004-479808/45.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gossypium hirsutum.
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                                                                                                                                                                                                                                                                                                                                                                                                                     ACN52123;
                                                                                     Query Match
                                                                                                                                       Matches
                                                                                                                                                                                                                                                                                                                                               ACN52123
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The invention relates to 17880 cotton expressed sequence tags (ESTs; ACM5220-ACM53099). The ESTs were isolated from cDNA libraries generated from primed or non-primed seeds from variety DB50B, mature seeds from variety Coker 312 Boswell 96 Field, and androecium tissue, gynoecium tissue, developing fibres, carpel walls and septa from variety Nucotton33B. The invention also relates to substantially purified proteins or their fragments encoded by nucleic acid molecules of the invention, and to transformed plants having a nucleic acid construct comprising a nucleic acid of the invention. The cotton ESTs are useful as molecular tags to isolate genetic regions, to isolate genes, to map
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Cotton; plant; EST; expressed sequence tag; transgentc plant; androecium; variety Nucotton33B; library LIB382B; molecular tag; molecular marker; genetic mapping; molecular mapping; seed germination; plant growth; plant quality; plant yield; plant breeding; tissue printing; ss.
                                                                                                                                                                                                                                                                                         from the US
and also permits the acquisition of molecular markers useful in breeding schemes, genetic and molecular mapping, and in cloning of agronomically significant genes. The nucleic acid molecules are further useful for detecting the expression level or pattern of a protein or mRWA and for detecting the presence or quantity of a protein by tissue printing. The present sequence represents a specifically claimed EST isolated from a cotton variety Nucotton33B androecium tissue cDNA library (LIB3828). The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format directly from the US patent office at seqdata.uspto.gov/sequence.html?DocID=US20040123340
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Cotton androecium tissue EST Clone ID: LIB3828-012-Q1-N6-A4, SEQ:6000.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 41.2; DB 1; Length 51;
Pred. No. 2.2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 51 BP; 49 A; 1 C; 0 G; 0 T; 0 U; 1 Other;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0.8%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              43; Conservative
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(FENG/) FENG P C C.
(FINC/) FINCHER K L.
(ZIEG/) ZIEGLER T E.
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Best Local Similarity
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ACN51219/c
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genes, to determine gene function and to determining whether genes are members of a particular gene family. The nucleic acid molecules may be used for isolating a variety of agronomically aignificant genes associated with plant growth, quality, yield, and could also serve as links in metabolic and catabolic pathways. The nucleic acid molecules are also useful for identifying genes important in initiating and maintaining seed germination or that may be used to mitigate stresses encountered during seed germination. The ESTs additionally enable the acquisition of promoters and cis-regulatory elements which will be useful to express are also permits the acquisition of molecular markers useful in breeding schemes, genetic and molecular mapping, and in cloning of agronomically significant genes. The nucleic acid moleculas are further useful for detecting the expression level or pattern of a protein or mRNA and for detecting the presence or quantity of a protein by tissue printing. The present sequence represents a specifically claimed EST isolated from a sequence data for this pattent did not form part of the printed from a sequence data for this pattent did not form part of the printed specification, but was obtained in all commit former presents as sequence. The printed from the specification, but was obtained in alectronic format directly from the US patent office at sequence.html?DocID=US20040123340

Sequence 51 BP; 0 A; 0 C; 1 G; 50 T; 0 U; 0 Other;

Gaps ö 0.8%; Score 41.2; DB 1; Length 51; 33.5%; Pred. No. 2.2; 3; Indels 0; Mismatches Local Similarity 93.5%; 43; Conservative Query Match Matches ઠ

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ADS74280 standard; DNA; 50 BP (first entry) 16-DEC-2004 ADS74280; ADS74280/c

AU-rich element; ARE; antiinflammatory; antiarthritic; antirheumatic; RNA stability; immunostimulant; 88. T50 element used in RNA probe

Synthetic.

WO2004081179-A2 23-SEP-2004. 05-MAR-2004; 2004WO-US006703

(USSH) US DEPT HEALTH & HUMAN SERVICES 06-MAR-2003; 2003US-0451976P.

Blackshear PJ; Lai WS,

WPI; 2004-668946/65.

Screening an agent for its ability to modulate RNA processing comprises contacting the agent with a sample comprising tristetraprolin (TTP), a poly(A)-preferring, 3'-5' ribo-exonuclease (PARN) polypeptide and an RNA. Example; SEQ ID NO 35; 94pp; English

The present sequence is that of an T50 element found in RNA probes used in examples from the invention. The invention provides a method for screening an agent for its ability to modulate RNA processing. The method comprises (a) contacting the agent with a sample comprising (i) tristetraproline (TTP), TTP-related polypeptide, fragment or variant, (ii) a polyA-preferring 3'-5'-ribo-exonuclease (PARN) polypeptide or its

active fragment or variant (if the PARN is in a cell, the cell comprises exceptions PARN) and (iii) an RNA which comprises an ARE downstream of a reporter sequence and a 1 polyh tail, where processing of the RNA can be detected, under conditions effective for processing and, optionally, cranslation of the RNA, and (b) detecting processing of the RNA, e.g. by measuring the amount and/or structure of the RNA, deadenylation of the RNA, or binding of the TTP to the ARE. The method can be used to screen for an agent able to inhibit RNA processing for the treatment of a condition mediated by insufficient granulocyte-macrophage colony stimulating factor or for treating granulocyte-macrophage colony stimulating factor or for treating granulocyte-macrophage colony condition mediated by excess tumour necrosis factor-alpha, an a condition mediated by excess tumour necrosis factor-alpha, an arthritis (all claimed). The method can be conducted in vitro or in a rathritis (all claimed). The method can be conducted in vitro or in a arthritis (all claimed). The method can be conducted in vitro or in a coll-based format. A high-throughput screening method may be used.

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Sequence 50 BP; 0 A; 0 C; 0 G; 50 T; 0 U; 0 Other;

Gape ö 0.8%; Score 40.6; DB 1; Length 50; 91.5%; Pred. No. 2.5; ive 0; Mismatches 4; Indels Query Match
Best Local Similarity 91.55,
-hes 43, Conservative

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ADS74279 standard; RNA; 50 BP RESULT 6 ADS74279

ADS74279;

16-DEC-2004 (first entry)

A50 element used in RNA probe.

AU-rich element; ARE; antiinflammatory; antiarthritic; antirheumatic; RNA stability; immunostimulant; ss.

Synthetic.

WO2004081179-A2.

23-SEP-2004.

05-MAR-2004; 2004WO-US006703

06-MAR-2003; 2003US-0451976P

(USSH) US DEPT HEALTH & HUMAN SERVICES

Lai WS, Blackshear PJ;

WPI; 2004-668946/65.

Screening an agent for its ability to modulate RNA processing comprises contacting the agent with a sample comprising tristetraprolin (TTP), a poly(A)-preferring, 3'-5' ribo-exonuclease (PARN) polypeptide and an RNA.

Example; SEQ ID NO 35; 94pp; English.

The present sequence is that of an A50 element found in RNA probes used in examples from the invention. The invention provides a method for screening an agent for its ability to modulate RNA processing. The method comprises: (a) contacting the agent with a sample comprising (i) tristetraproline (TTP), TTP-related polypeptide, fragment or variant, (ii) a polyA-preferring 3'.5'-ribo-exonuclease (PARN) polypeptide or its active fragment or variant (if the PARN is in a cell, the cell comprises exogenous PARN) and (iii) an RNA which comprises an ARE downstream of a reporter sequence and a 3' polyA tall, where processing of the RNA can be detected, under conditions effective for processing and, optionally, translation of the RNA, and (b) detecting processing of the RNA, e.g. by

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measuring the amount and/or structure of the RNA, deadenylation of the RNA, or binding of the TTP to the ARE. The method can be used to screen for an agent able to inhibit RNA processing for the treatment of a condition mediated by insufficient granulocyte-macrophage colony stimulating factor or for treating granulocytopenia. It may also be used to screen for an agent able to stimulate RNA processing for treatment of a condition mediated by excess tumour necrosis factor-alpha, an inflammatory condition, rheumatoid arthritis, Crohn's disease or arthritis (all claimed). The method can be conducted in vitro or in a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ss; cardiac hypertrophy factor; CHF; cardiotrophin; cardiotrophin-1; cardiac hypertrophy; heart failure; arrhythmic; inotropic disorder; congestive heart failure; neurodegenerative disease; peripheral neuropathy; Alzhelmer's disease; stroke; Parkinson's disease.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
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treating heart failure, arrhythmic disorders and neurodegenerative
                                                                                                                                                                                                                                                                                                               cell-based format. A high-throughput screening method may be used.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Oligonucleotide ocdl.1.3 used in construction of a cDNA library.
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                                                                                                                                                                                                                                                                                                                                                                                                                                              0.8%; Score 40.6; DB 1; Length 50;
31.5%; Pred. No. 2.5;
ive 0; Mismatches 4; Indels
                                                                                                                                                                                                                                                                                                                                                                                  Sequence 50 BP; 50 A; 0 C; 0 G; 0 T; 0 U; 0 Other;
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95US-00443129.
96US-00733850.
98US-00033114.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 Similarity 91.5%;
43; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WPI; 2004-560446/54.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Best Local Similarity
Matches 43; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US2004116678-A1.
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17-MAY-1995;
18-OCT-1996;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               25-APR-1994;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     diseases
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The invention relates to a novel composition comprising a substance that the invention relates to a novel composition comprising a substance that modulates the status of 238P1B2, or a molecule that is modulated by the invention further relates to: a non-human transgenic animal configuration that configuration can antibody; a hybridoma that produces an antibody; a polymucleotide that encodes a peptide; a capture composition cated above, in parmaceutical composition that comprises the composition cated above, in the man unit dosage form, where the substance comprises: a ribozyme that a human unit dosage form, where the substance comprises: a ribozyme that composition that comprises and earning sequence or a nucleic acid cleaves a polymucleotide having 138P1B2 coding sequence or a nucleic acid composition. The molecule inhibiting growth of cancer cells that express peritically recognise a 238P1B2 peptide sequence in the context of a specifically recognise a graph of a carrier; or human T-cells that express cancer in an individual mammalian immune response directed to 238P1B2; and sasay for detecting the presence of a 238P1B2. related protein or cancer in an individual. The novel composition has cytostatic activity. The 238P1B2 polypacide can be used in gene therapy to treat cancer: The 238P1B2 polypacide can be used in detecting, preventing, vaccine. The composition and methods are useful in detecting, preventing, prognosing or treating cancer (e.g. prostate cancer). The genes, proteins or antibodies can be used as a probe or a primer, or in chromosomal mapping. This polypucleotide represents a primer used in the chromosomal mapping. This polypucleotide represents a primer very in the composition of the invention.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                             238P1B2; transgenic animal; cytotoxic; cancer; cytostatic; gene therapy; vaccine; prostate cancer; humoral; cellular immune response; primer; 88.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (e.g.
                                                                                                            Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           A composition useful for detecting, preventing or treating cancer (e
prostate cancer) comprises a substance that modulates the status of
238P1B2, or a molecule that is modulated by 238P1B2.
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                                                                                                                                                   5080
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                                                                                                                                                                             5032 AARARARARARARARARARARARARARARARARARACTCGAGGGGGGCCCG
                                                                       DB 1; Length 50;
                                                                                                              7; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                        238P1B2 gene related DPNCDN cDNA synthesis primer.
                              Sequence 50 BP; 3 A; 7 C; 7 G; 33 T; 0 U; 0 Other;
                                                                     0.7%; Score 37.8; DI
85.7%; Pred. No. 4.6;
tive 0; Mismatches
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                                                                                                                                                                                                                                                                                                       ВР
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                                                                                                                                                                                                                                                                                                         ADI97735 standard; DNA; 43
                                                                                                                                                                                                                                                                                                                                                                                          04-NOV-2004 (first entry)
                                                                              Query Match
Best Local Similarity 85.7
Matches 42; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Jakobovits A;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (AGEN-) AGENSYS INC.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WO2003085081-A2
CDNA library.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Unidentified
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                                                                                                                                                                                                                                                                  RESULT 8
ADI97735/
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generic formula, in the 3.5° or 5°.3° direction: (dara) a. (GDTB) b. - (GGTG') c' - (GGTG') d' -
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             New phospho:di:esteric oligo:nucleotide(s) - which exert a specific and selective cytotoxic effect on tumour cells, for treating both solid and
                   Antitumoural phosphodiester oligonucleotide 6 with cytotoxic activity.
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                                                   Phosphodiester; selective binding; cell viability; growth; tumoural cell line; cytotoxic activity; tumour cell; lymphoma; lymphoblastic tumour; ss.
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1. .35
/*tag= a
/note= "phosphodiester oligonucleotide"
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88.2%; Pred. No. 36;
iive 0; Mismatches
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(first entry)
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Best Local Similarity 88.2
Matches 30; Conservative
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modified_base
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24-FEB-1998
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Nucleotide sequence of galactinol synthase from zucchini and soybean - used to produce plants having altered levels of raffinose saccharide(s)
                                                                                                    Gaps
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                                                            DB 1; Length 43;
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                                                                                                2; Indels
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                   Sequence 43 BP; 3 A; 2 C; 2 G; 36 T; 0 U; 0 Other;
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ses 35; Conservative
                                                                             Best Local Similarity 94.6%;
Matches 35; Conservative
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06-JUN-1993
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New phospho:di:esteric oligo:nucleotide(s) - which exert a specific and selective cytotoxic effect on tumour cells, for treating both solid and

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                                        Location/Qualifiers
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                                             Key
modified_base
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Matches
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C GGTC')c''-(GdTd')d''-(GeTe')e''-(GfTf')f''- (G-Tg')g''-N', where: N and GC (GCTC')c''-(GdTd')d''-(GaTe')e''-(GfTf')f''- (G-Tg')g''-N', where: N and GC (GfTc')c''-(GdTf')g''-N', where: N and GT (GfTc')c''-(GfTf')g''-N', where: N and GT (GfTc')c''-(GfTf')g''-N', where: N and GT (GTC')c''-(GfTf')g''-(GTTC')c
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Phosphodiester; selective binding; cell viability; growth; tumoural cell line; cytotoxic activity; tumour cell; lymphoma; lymphoblastic tumour; ss.
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/note= "phosphodiester oligonucleotide"
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85.7%; Pred. No. 4
                                                                                                   socation/Qualifiers
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Best Local Similarity 85.7'
Matches 30; Conservative
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24-FEB-1998
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                                                                                                                                                                                                                                                                                                                                                         Gaps
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                                                                                                                                                                                                                                                                                                                      0.5%; Score 27; DB 1; Length 35;
85.7%; Pred. No. 41;
                                                                                                                                                                                                                                                                                                                                                           5; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   셤
                                                                                                                                                                                                                                                                                               The invention relates to a compound targeted to a nucleic acid molecule encoding human phosphoinositide-3-kinase (FI3K) regulatory subunit 4, p150. The compound is an antisense oligonucleotide that specifically hybridises with a nucleic acid molecule encoding P13K regulatory subunit 4, p150 and inhibits expression of the polypeptide. The antisense oligonucleotide comprises at least one modified internucleoside linkage i.e. a phosphorothioate linkage, at least one modified sugar moiety, preferably a 2'-O-methoxyethyl sugar moiety, or at least one modified nucleobase comprising a 5-methylcytosine. The antisense compounds are useful for modulating the expression of F13K regulatory subunit 4, p150 and for preventing or treating hyperproliferative disorders and metabolic disorders. These may also be used in research and diagnostics metabolic disorders. These may also be used in research and diagnostics and in preventing or delaying infection or inflammation. This sequence represents a probe which hybridises to DNA encoding the human F13K regulatory subunit 4, p150 polypeptide of the invention.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 antisense; inhibitor; hybridisation; human; phosphoinositide-3-kinase; regulatory subunit 4; pl50; internucleoside linkage; phosphorchioace linkage; 2'-O-methoxyethyl sugar; 5-methylcytosine; infection; inflammation; tumour formation; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; metabolic disorder; immunomodulator;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
                                                                                                                                                                                                         New antisense oligonucleotides inhibiting the expression of phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for preventing or treating diseases associated with the subunit, e.g. hyperproliferative disorders.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Human phosphoinositide-3-kinase regulator subunit 4 p150 probe.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0.5%; Score 26; DB 1; Length 26;
100.0%; Pred. No. 45;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 26 BP; 7 A; 3 C; 7 G; 9 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  100.0%; Pred. nv.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               2447 CTGAGGAATTTGTCATTGTGAAAGCT 2472
                                                                                                                                                                                                                                                                           Example 13; SEQ ID NO 7; 62pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CTGAGGAATTTGTCATTGTGAAAGCT 26
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    gene therapy; ss; probe
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADL34561 standard; DNA; 26 BP
                                                                                     31-MAY-2002; 2002US-00160786.
                                                                                                            31-MAY-2002; 2002US-00160786.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Local Similarity 100.
Les 26, Conservative
                                                                                                                                     (ISIS-) ISIS PHARM INC
                                                                                                                                                              Freier SM, Dobie KW;
                                                                                                                                                                                     WPI; 2004-051923/05.
                                    US2003225013-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Key
modified_base
             Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Ното варіеля
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     17-JUN-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    cytostatic;
                                                             04-DEC-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADL34561;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Best Loc
Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADL34561
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This invention describes a novel antisense oligonucleotides which specifically hybridises to and inhibits the expression of human phosphoinositide-3 kinase, regulatory subunit 4, p150. The phosphoinositide-3 kinase, regulatory subunit 4, p150. The coligonucleotides comprises at least one modified internucleoside linkage, preferably a phosphorothioate linkage. It also comprises at least one modified sugar molety, preferably a 2'-O-methoxyethyl sugar molety. The antisense oligonucleotide further comprises at least one modified nucleobase, preferably a 5-methylcytosine. The antisense oligonucleotide can be used in diagnostics and as research reagents and kits. It can also be used prophylactically, e.g. to prevent or delay infection, inflammation or tumour formation. It can also be used to treat a disease or condition associated with phosphoinositide-3-kinase, regulatory cancer, chediak-Higashi syndrome or a metabolic disorder, preferably cancer, chediak-Higashi syndrome or a metabolic disorder. The products of the invention are immunomodulators with cytostatic activity and can be used
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      New antisense compound targeted to a nucleic acid molecule encoding phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for treating cancer, Chediak-Higashi syndrome or a metabolic disorder.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Tospovirus resistance; transgenic plant; tomato spotted wilt virus;
Impatiens necrotic spot virus; TSWV; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   0.5%; Score 26; DB 1; Length 26;
100.0%; Pred. No. 45;
iive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Tomato spotted wilt virus S RNA partial sequence #9.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Seguence 26 BP; 7 A; 3 C; 7 G; 9 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             2447 CTGAGGAATTTGTCATTGTGAAAGCT 2472
                                                                                                                                              /*tag= b
/mod_base= OTHER
/note= "TAMRA labelled"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Example 13; SEQ ID NO 7; 60pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CTGAGGAATTTGTCATTGTGAAAGCT 26
                                   /mod_base= OTHER
/note= "FAM labelled"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Location/Qualifiers
                           base= OTHER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RESULT 15
AAC90605/c
ID AAC90605 standard; RNA; 34 BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          31-MAY-2002; 2002US-00160786
                                                                                                                                                                                                                                                                                                                                                                                                                                                  18-SEP-2003; 2003US-00667022
/*tag= a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    20-MAR-2001 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Fomato spotted wilt virus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Best Local Similarity 100.
Matches 26; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Freier SM, Dobie KW
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WPI; 2004-282523/26.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (FREI/) FREIER S M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (DOBI/) DOBIE K W.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            or gene therapy
                                                                                                                                                                                                                                                                                                    US2004063657-A1
                                                                                                          modified_base
                                                                                                                                                                                                                                                                                                                                                                               01-APR-2004
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Ramalingam K; MA;

misc binding

misc_binding

misc binding

misc_binding

26-NOV-1996;

14-APR-1993; 26-OCT-1993; 27-JUL-1994;

02-MAY-1991 05-DEC-1989

US6150585-A 21-NOV-2000 Peters D, G Goldbach RW;

21-OCT-2004

ADR51048;

ADR51048/

ð g Synthetic

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two binding moieties having specificity for different binding sites on the same target. (C) is useful for treating euplastic tumour growth and disease associated with angiogenesis or hyperproliferation (claimed). (C) is useful for treating diseases such as arthritis, atherosclerotic plaques, corneal graft neovascularization or ocular diseases. (C) is small and can more easily reach a target. (C) localizes more effectively to the target site than other targeting compounds due to its binding to more than one site on the same target. This sequence represents a DNA oligomucleotide used in the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              The invention relates to a multivalent compound (C) comprising at least
                                                                                                                                                                                                                                                                                                                                                                                         Multivalent compounds with at least two binding moities having specificity for different binding sites on the same target, useful for treating and diagnosing, e.g. angiogenic and hyperproliferative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ss; deposition unit misalignment; polymeric array synthesis; pulse jet misalignment; printhead misalignment; microarray.
                                                                                                                                                                                                                                                     Arbogast C, Bussat P, Dransfield DT, Fan H, Linder K;
Marinelli ER, Nanjappan P, Nunn A, Pillai R, Pochon S,
Sato A, Shrivastava A, Song B, Swenson RE, Von Wronski
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0.5%; Score 25.4; DB 1; Length 27; 96.3%; Pred. No. 52;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 27 BP; 0 A; 1 C; 1 G; 25 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Microarray synthesised oligonucleotide #10.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  5023 GTAAAAAAAAAAAAAAAAAAAAAA 5049
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Example 6; SEQ ID NO 72; 320pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               11-SEP-2003; 2003WO-US028838.
                                                                                                                                   15-JAN-2003; 2003US-0440201P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         25-FEB-2003; 2003US-00374307.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                25-FEB-2003; 2003US-00374307,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADR48246 standard; DNA; 24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity 96.3
Matches 26; Conservative
                                                                                                                                                                                              (BRAC ) BRACCO INT BV.
                                                                                                                                                                                                                                                                                                                                                        WPI; 2004-593275/57.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (LEPR/) LEPROUST E M.
                                                                                                                                                                                                                 (DYAX-) DYAX CORP.
                  WO2004064595-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US2004170984-A1.
                                                         05-AUG-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     18-NOV-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    02-SEP-2004
                                                                                                                                                                                                                                                                                              Sato A, S
Walker SM;
                                                                                                                                                                                                                                                                                                                                                                                                                                                      disorders.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADR48246;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RESULT 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADR48246
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Recombinant DNA construct comprising a DNA sequence encoding an RNA sequence that codes for a tospovirus protein, useful for producing plants with reduced susceptibility to tospovirus infection.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       The present invention provides DNA constructs encoding RNA sequences from a tospovirus which can be used to produce transgenic plants with immunity to tospoviruses. Examples of tospoviruses include the tomato spotted wilt
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ss; primer; antiarthritic; cytostatic; ophthalmological; angiogenesis inhibitor; Kdr tyrosine kinase inhibitor; VEGF antagonist; hepatcoyte growth factor antagonist; multivalent compound; binding molety; euplastic tumour growth, angiogenesis; hyperproliferation; arthritis; atherosclerotic plaque; corneal graft neovascularization; ocular disease.
                                                   . . . 10
/*tag= b
/bound moiety= "binds nucleotides 30-22 of AAC89654"
[7. . 32
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                              /*tag= c binds nucleotides 30-5 of AAC89564" \frac{1}{3}. .34
                                                                                                                                                                                                          'bound_moiety= "binds nucleotides 1-2 of AAC89654"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gielen JJL, De Haan PT, Van Grinsven MQJM, Kool AJ;
                *tag= a
/bound_moiety= "binds nucleotide 32 of AAC89654"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Duo binding moiety multivalent compound associated primer #1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 26; DB 1; Length 34; Pred. No. 50;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            5; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 34 BP; 4 A; 0 C; 2 G; 0 T; 28 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          5032 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   34 ATAAAATAAATAAAAATAAAAAACAAAAAC 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     virus and the Impatiens necrotic spot virus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Example 9; Fig 16B; 49pp; English.
                                                                                                                                                                                                                                                                                                                                                              89US-00431259.
89US-00446024.
91US-00694734.
93US-00143346.
93US-00143397.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NOVS ) NOVARTIS FINANCE CORP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADR51048 standard; DNA; 27 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0.5%;
                                                                                                                                                                                                                                                                                                                             96US-00757011
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 0.5
Best Local Similarity 85.3
Matches 29, Conservative
            *tag=
                                                                                                                                                                                          *tag=
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Gaps

.; 0

Indels

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The invention relates to a method of detection of deposition unit misalignment of an in situ polymeric array synthesis device which comprises synthesising test probe feature(s) on substrate using in situ polymeric array synthesis device, contacting test probe feature using in situ polymeric array synthesis device, contacting test probe feature with at binding of labelled targets to test probe feature to detect any pulse jet misalignment of polymeric array synthesis device. The method is useful for detecting deposition unit misalignment e.g. printhesi device. The method is easy to use, cost effective. effective at detecting printhese misalignments and may enable immediate detection and/or adjustments of one or more printheses of an in situ nucleic acid array synthesis fluid deposition device if misalignment is detected. The present sequence represents an oligonucleotide synthesised on a microarray.
                                                                                                                                                                                                                                    Detection of deposition unit misalignment of in situ polymeric array synthesis device, by contacting test probe feature with different distinguishably labeled targets, and evaluating binding of labeled
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Detection of deposition unit misalignment of in situ polymeric array synthesis device, by contacting test probe feature with different
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              88; deposition unit misalignment; polymeric array synthesis;
pulse jet misalignment; printhead misalignment; microarray.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               5%; Score 24; DB 1; Length 24;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 24 BP; 24 A; 0 C; 0 G; 0 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             100.0%; Pred. ...
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Microarray synthesised oligonucleotide #13.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  5025 AAAAAAAAAAAAAAAAAAAA 5048
                                                                                                      Kronick MN;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Amorese DA, Kronick MN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAAAAAAAAAAAAAAAAAAA 24
                                                                                                                                                                                                                                                                                                                                                                                                          Example 2; Page 16; 36pp; English
                                                                                                                                                                                                                                                                                                                                          targets to test probe feature.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADR48249 standard; DNA; 24 BP
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            18-NOV-2004 (first entry)
                                                                                                  Leproust EM, Amorese DA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  24; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (AMOR/) AMORESE D A. (KRON/) KRONICK M N.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Local Similarity
AMORESE D A.
KRONICK M N.
                                                                                                                                                                     WPI; 2004-634540/61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WPI; 2004-634540/61
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      02-SEP-2004.
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(AMOR/)
(KRON/)
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Gaps

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                                                                                  The invention relates to a method of detection of deposition unit misalignment of an in situ polymeric array synthesis device which comprises synthesising test probe feature(s) on substrate using in situ polymeric array synthesis device, contacting test probe feature with at least two different distinguishably labelled targets and evaluating binding of labelled targets to test probe feature to detect any pulse jet of detecting deposition unit misalignment e.g. printhead misalignment, of an in situ polymeric. e.g. nucleic acid, array synthesis device. The method is easy to use, cost effective. effective at detecting printhead misalignments and may enable immediate detection and/or adjustments of one or more printhead of an in situ nucleic acid array synthesis fluid deposition device if misalignment is detected. The present sequence represents an oligonucleotide synthesised on a microarray.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PCR primers MB2 (AAT68809) and MB3 (AAT68810) are based on the nucleotide sequences for the Bacillus amyloliquefaciens sacB gene and the polylinker region of pBES04. MB3 overlaps Arg codon 331 of the sacB(BamP) W29 mutant gene (see also AAT68806) and was designed to convert codon 331 into a Leu codon in the amplified DNA. The primers were used to amplify a region of plasmid pMGB161delcat1 that included the 473 bp between the BBSHII and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ormed Gram positive bacteria, especially heterologous genes encoding e.g. industrial
                                                                                                                                                                                                                                                                                                                                                                                                                                               Gape
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gram-positive bacterium; positive selection vector; levansucrase; Bacillus amyloliquefaciens; signal peptide cleavage; sacB(BamP)W29; primer; PCR; polymerase chain reaction; ss.
distinguishably labeled targets, and evaluating binding of labeled
                                                                                                                                                                                                                                                                                                                                                                                                                                               ;
0
                                                                                                                                                                                                                                                                                                                                                                                                       DB 1; Length 24;
67;
                                                                                                                                                                                                                                                                                                                                                                                                                                           0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Levansucrase mutant sacB(BamP)W29 gene PCR primer MB2
                                                                                                                                                                                                                                                                                                                                                                      Sequence 24 BP; 0 A; 0 C; 0 G; 24 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                         0.5%; Scor.
100.0%; Pred. No. ...
0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Positive selection for transformed Bacillus - useful for cloning heterenzymes, immunoglobulin(s), etc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Example 5; Page 30; 54pp; English.
                                                   Example 2; Page 16; 36pp; English.
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                   targets to test probe feature.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAT68809 standard; DNA; 30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Bramucci MG, Nagarajan V;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity 100.
Matches 24; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       03-NOV-1995;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       07-AUG-1997
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAT68809;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            RESULT 19
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regulatory subunit 4, p150 polypeptide of the invention.

Sequence 23 BP; 9 A; 4 C; 6 G; 4 T; 0 U; 0 Other;

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The invention relates to a compound targeted to a nucleic acid molecule encoding human phosphoinositide-3-kinase (PI3K) regulatory subunit 4, p150. The compound is an antisense oligonucleotide that specifically hybridises with a nucleic acid molecule encoding PI3K regulatory subunit 4, p150 and inhibits expression of the polypeptide. The antisense oligonucleotide comprises at least one modified internucleoside linkage i.e. a phosphorothioate linkage, at least one modified sugar moiety, preferably a 2'-0-methoxyethyl sugar moiety, or at least one modified sugar moiety, preferably a 2'-0-methoxyethyl sugar moiety, or at least one modified sugar moiety, and for modulating the expression of PI3K regulatory subunit 4, p150 and for preventing or treating hyperproliferative disorders and for preventing or treating hyperproliferative disorders and metabolic disorders. These may also be used in research and diagnostics and in preventing or delaying infection or inflammation. This sequence represents a PCR primer used to amplify DNA encoding the human PI3K
                                                                                                                                                                                                      ö
BamHI restriction sites. The mutation showed that the polymerase activity of the sacfBlamP) w29 gene product is necessary for inhibition of growth on medium with sucrose by sacB(BamP) w29. Inactivation of sacB(BamP) w29 could be used to select for growth of colonies of B. subtilis with cloned
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Human; phosphoinositide-3-kinase regulatory subunit 4; p150; P13K; P13 kinase; PCR; ss; antisense oligonucleotide; phosphorothioate linkage; 2-0-methoxyethyl sugar moiety; 5-methylcytosine; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; neurodegenerative disorder; metabolic disorders; inflammation; cytostatic; immunomodulator; neurodegenerative; antimicrobial; antiinflammatory; primer.
                                                                                                                                                                                                      Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           New antisense oligonucleotides inhibiting the expression of phosphoinositide-3-kinase, regulatory subunit 4, pl50, useful for preventing or treating diseases associated with the subunit, e.g. hyperproliferative disorders.
                                                                                                                                                                                                      ;
0
                                                                                                                                                           DB 1; Length 30; 72;
                                                                                                                                                                                                    0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Human PI3K regulatory subunit 4, p150 DNA PCR primer #2.
                                                                                                                   Sequence 30 BP; 6 A; 10 C; 9 G; 5 T; 0 U; 0 Other;
                                                                                                                                                                       100.0%; Pred. ...
                                                                                                                                                           0.5%; Score 24;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Example 13; SEQ ID NO 6; 62pp; English.
                                                                                                                                                                                                                                     1 GGATCCCCGGGCTGCAGGAATTC 24
                                                                                                                                                                                                                                                                    4 GGATCCCCCGGGCTGCAGGAATTC 27
                                                                                                                                                                                                                                                                                                                                                                              BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   31-MAY-2002; 2002US-00160786.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              31-MAY-2002; 2002US-00160786.
                                                                                                                                                                                                                                                                                                                                                                              ADH26671 standard; DNA; 23
                                                                                                                                                                                                                                                                                                                                                                                                                                                         (first entry)
                                                                                                                                                                           Local Similarity 100.
                                                                            inserts in sacB(BamP) W29
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (ISIS-) ISIS PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Freier SM, Dobie KW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         WPI; 2004-051923/05.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US2003225013-A1,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                         11-MAR-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         04-DEC-2003
                                                                                                                                                                                                                                                                                                                                                                                                                   ADH26671;
                                                                                                                                                           Query Match
                                                                                                                                                                                  Best Loc
Matches
                                                                                                                                                                                                                                                                                                                                                           ADH26671/c
                                                                                                                                                                                                                                                                                                                                   RESULT 20
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The invention relates to a compound targeted to a nucleic acid molecule encoding human phosphoinositide-3-kinase (PI3K) regulatory subunit 4, [2, 15, 15]. The compound is an antisense oligonuclectide that specifically hybridises with a nucleic acid molecule encoding PI3K regulatory subunit 4, p150 and inhibits expression of the polypetide. The antisense oligonuclectide comprises at least one modified internucleoside linkage oligonuclectide comprises at least one modified sugar moiety, preferably a 2'-O-methoxyethyl sugar moiety, or at least one modified cucleobase comprising a 5-methylcytosine. The antisense compounds are useful for modulating the expression of P13K regulatory subunit 4, p150 and for preventing or treating hyperproliferative disorders and cancer), Chediak-Higashi syndrome, neurodegenerative disorders and metabolic disorders. These may also be used in research and diagnostics and in preventing or delaying infection or inflammation. This sequence represents a PCR primer used to amplify DNA encoding the human P13K regulatory subunit 4, p150 polypeptide of the invention.
                                                                                                                                                                                                                                                                                                                                                   Human; phosphoinositide-3-kinase regulatory subunit 4; p150; PI3K; P13 kinase; PCR; ss; antisense oligonucleotide; phosphorothioate linkage; 2'-O-methoxyethy! sugar moiety; 5-methylorytosine; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; neurodegenerative disorder; metabolic disorders; inflammation;
                                           Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          New antisense oligonucleotides inhibiting the expression of phosphoinostitide-3-kinase, regulatory subunit 4, p150, useful for preventing or treating diseases associated with the subunit, e.g. hyperproliferative disorders.
                                         ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                 cytostatic; immunomodulator; neurodegenerative; antimicrobial; antiinflammatory; primer.
 Score 23; DB 1; Length 23;
Pred. No. 82;
                                       0; Indels
                                                                                                                                                                                                                                                                                                                      Human PI3K regulatory subunit 4, p150 DNA PCR primer #1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 23 BP; 6 A; 5 C; 6 G; 6 T; 0 U; 0 Other;
           100.0%; Prea. ...
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Example 13; SEQ ID NO 5; 62pp; English.
                                                                          2476 TATGCCCTTACTTGTATGTGCCA 2498
                                                                                                  23 TATGCCTTACTTGTATGTGCCA 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      31-MAY-2002; 2002US-00160786.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           31-MAY-2002; 2002US-00160786.
 0.5%;
                                                                                                                                                                                                        ADH26670 standard; DNA; 23
                                                                                                                                                                                                                                                                                  (first entry)
                                     Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (ISIS-) ISIS PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Dobie KW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WPI; 2004-051923/05.
                   Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US2003225013-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Homo sapiens.
                                                                                                                                                                                                                                                                                11-MAR-2004
                                     23;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Freier SM,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   04-DEC-2003
                                                                                                                                                                                                                                             ADH26670;
Query Match
                     Local
                                   Matches
                                                                                                                                                                      RESULT 21
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This invention describes a novel antisense oligonucleotides which specifically hybridises to and inhibits the expression of human phosphonositide. Strinase, regulatory subunit 4, piso. The oligonucleotides comprises at least one modified internucleoside linkage, preferably a phosphorothioate linkage. It also comprises at least one modified sugar molety, preferably a 2'-O-methoxyethyl sugar molety. The antisense oligonucleotide further comprises at least one modified nucleobase, preferably a 5-methylcytosine. The antisense oligonucleotide can be used in diagnostics and as research reagents and kits. It can also be used prophylactically, e.g. to prevent or delay infection, inflammation or tumour formation. It can also be used to treat a disease or condition associated with phosphoinositide-3-kinase, regulatory chediak-Higashi syndrome or a metabolic disorder, preferably cancer, chediak-Higashi syndrome or a metabolic disorder. The products of the invention are immunomodulators with cytostatic activity and can be used
                                                  ö
                                                                                                                                                                                                                                                                                                                                                                  antisense; inhibitor; hybridisation; human; phosphoinositide-3-kinase; regulatory subunit 4; p150; internucleoside linkage; phosphorothioate linkage; 2'-O-methoxyethyl sugar; 5-methylcytosine; infection; inflammation; tumour formation; hyperproliferative disorder; cancer; Chediak Higashi syndrome; metabolic disorder; immunomodulator; cytostatic; gene therapy; ss; primer; PCR.
                                                                                                                                                                                                                                                                                                                               Human phosphoinositide-3-kinase regulator subunit 4 p150 PCR primer 2.
                                                Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       New antisense compound targeted to a nucleic acid molecule encoding phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for treating cancer, Chedlak-Higashi syndrome or a metabolic disorder.
                                                  ;
0
             Length 23;
                                                0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 23 BP; 9 A; 4 C; 6 G; 4 T; 0 U; 0 Other;
               DB 1;
0.5%; Score ___ 100.0%; Pred. No. 82;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Example 13; SEQ ID NO 6; 60pp; English.
                                                                                     CTGCTGCAACAAGGTCTTAGTGA 2444
                                                                                                                        crecrecaacaacercriagrea 23
                                                                                                                                                                                                                       ВЪ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 18-SEP-2003; 2003US-00667022.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      31-MAY-2002; 2002US-00160786
                                                                                                                                                                                                                   ADL34560 standard; DNA; 23
                                                                                                                                                                                                                                                                                           (first entry)
                                                  23; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Freier SM, Dobie KW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WPI; 2004-282523/26
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (FREI/) FREIER S M. (DOBI/) DOBIE K W.
         Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       for gene therapy.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US2004063657-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Homo sapiens
                                                                                                                                                                                                                                                                                             17-JUN-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            01-APR-2004.
                                                                                     2422
                                                                                                                                                                                                                                                        ADL34560;
                                                Matches
                                                                                                                                                                                RESULT 22
                                                                                                                                                                                                 ADL34560/
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This invention describes a novel antisense oligonucleotides which specifically hybridises to and inhibits the expression of human phosphoinostided-3-kinase, regulatory subunit 4, p150. The phosphoinostided of an insering to endottied internucleoside linkage, oligonucleotides comprises at least one modified internucleoside linkage, preferably a phosphorothioate linkage. It also comprises at least one modified sugar molety, preferably a 2'-O-methoxyethyl sugar molety. The antisense oligonucleotide further comprises at least one modified undebbase, preferably a 5-methylcytosine. The antisense oligonucleotide conclusion be used in diagnostics and as research reagents and kits. It can also be used prophylactically, e.g. to prevent or delay infection, inflammation or tumour formation. It can also be used to treat a disease or condition associated with phosphoinositide-3-kinase, regulatory subunit 4, p150, e.g. hyperproliferative disorder, preferably cancer, chediak-Higabhi syndrome or a metabolic disorder. The products of the invention are immunomodulators with cytostatic activity and can be used
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                                                                                                                                                                                                                                                                  antisense; inhibitor; hybridisation; human; phosphoinositide-3-kinase; regulatory subunit 4; p150; internucleoside linkage; phosphorchioarte linkage; 2'-O-methoxyethyl sugar; S-methylcytosine; infection; inflammation; tumour formation; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; metabolic disorder; immunomodulator; cytostatic; gene therapy; ss; primer; PCR.
                                                                                                                                                                                                                             Human phosphoinositide-3-kinase regulator subunit 4 p150 PCR primer 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gарв
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        New antisense compound targeted to a nucleic acid molecule encoding phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for treating cancer, Chediak-Higashi syndrome or a metabolic disorder.
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0
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 23 BP; 6 A; 5 C; 6 G; 6 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Example 13; SEQ ID NO 5; 60pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        2422 CTGCTGCAACAAGGTCTTAGTGA 2444
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CTGCTGCAACAAGGTCTTAGTGA 23
                                                                                                     ADL34559 standard; DNA; 23 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      31-MAY-2002; 2002US-00160786.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             18-SEP-2003; 2003US-00667022
                                                                                                                                                                                    17-JUN-2004 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Freier SM, Dobie KW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WPI; 2004-282523/26.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (FREI/) FREIER S M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (DOBI/) DOBIE K W.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          for gene therapy
                                                                                                                                                                                                                                                                                                                                                                                                                                                              US2004063657-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                     Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      01-APR-2004.
                                                                                                                                             ADL34559;
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Matches
                                                                              ADL34559
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0.5%; Score 23; DB 1; Length 23; 100.0%; Pred. No. 82; ive 0; Mismatches 0; Indels

2476 TATGCCCTTACTTGTATGTGCCA 2498

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23; Conservative

Local Similarity

Query Match Matchee 24

gibbs-10-667-022-4.rng

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PR-1a gene terminator; tobacco; antibacterial peptide; sarcotoxin la;
hinge region; tobacco chitinase; plant promoter; plant resistance;
pathogenic fungi; pathogenic bacteria; PCR primer; ss.
                                                          PCR primer BKSBE used to amplify a region of the PR-la gene.
                                                                                                                                                                                                                                                                                                                                                                                                                                                            (NORQ ) NAT INST AGROBIOLOGICAL RESOURCES.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Mitsuhara I, Ohashi Y,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WPI; 1997-473191/44.
                                                                                                                                                                                                                                                                                                                                           27-FEB-1997;
                                                                                                                                                                                                                                                                                                                                                                                       25-MAR-1996;
                                                                                                                                                                                                                                                                                                                                                                                                              17-JUL-1996;
                                                                                                                                                                                                                                                                                               01-OCT-1997
                                                                                                                                                                                                                                              EP798381-A2
                                                                                                                                                                                                    Synthetic.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
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Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAV60992
            EXECUTE OF STANFORM S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               The present invention relates to a method for determining if a gene product or compound is involved in preventing replication error in a cell. The method involves providing a cell with a specific inhibitor for a gene product or with a compound and determining the expression level of is dependent on the occurrence of a replication error. The invention is useful in gene therapy and for treating a subject having tumours or cancer. The present sequence is a Caenorhabditis elegans heat-shock promoter DNA. This sequence is used to illustrate the method of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Determining if a gene product/compound is involved in preventing replication error in a cell, useful for treating cancer, comprises determining expression level of a marker gene in a cell treated with gene product inhibitor/compound.
                                                                                                                                                                                                         Nematode; gene therapy; tumour; cancer; heat-shock promoter; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 22; DB 1; Length 25;
Pred. No. 1e+02;
                                                                                                                                                                                                                                                                                                                                                          *tag= a
note= "N can be repeated X times"
                                                                                                                                                                                                                                                                                                                                                                                                                     /*tag= b
/note= "N can be repeated Y times"
                                                                                                                                                          Caenorhabditis elegans heat-shock promoter DNA #1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 25 BP; 21 A; 0 C; 1 G; 1 T; 0 U; 2 Other;
                                                                                                                                                                                                                                                                                                      Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Disclosure, Fig 3; 25pp; English
                      ADR44220 standard; DNA; 25 BP
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       2002WO-NL000322.
2002WO-WO095071.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  21-NOV-2003; 2003US-00719995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Plasterk RHA;
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                                                                                                                 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TIJSTERMAN M.
PLASTERK R H A.
                                                                                                                                                                                                                                                                                                                                                     *tag=
                                                                                                                                                                                                                                                     Caenorhabditis elegans
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US2004161782-A1
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                                                                                                                 04-NOV-2004
                                                                                                                                                                                                                                                                                                                          misc feature
                                                                                                                                                                                                                                                                                                                                                                                                 misc_feature
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       22-MAY-2002;
28-NOV-2002;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      19-AUG-2004
                                                                  ADR44220;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (TIJS/)
(PLAS/)
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ADR44220
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Ohshima M;

97EP-00301299. 96JP-00068809, 96JP-00187763,

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                                                                                                       PCR primers AAV03153-54 were used to amplify a terminator region of the PR-la gene from tobacco. This fragment was used to create a a recombinant gene in which a gene encoding an anti-bacterial peptide (e.g. sarcotoxin la) is bound to a plant gene via a hinge region of tobacco chitinase, an expression cassette in which the recombinant gene is bound to a plant promoter, and a gene having the expression cassette and a drug resistance gene linked to a plant promoter which is constitutively expressed. Plants transformed with this expression vector are resistant to pathogenic fungi
Plant resistant to pathogenic fungi and bacteria - especially containing insect gene encoding sarcotoxin la.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Barnase; barstar; IPCR; inverse polymerase chain reaction; phenotype; transgenic plant; hybrid seed; male sterile plant; active enzyme; regulatory protein; embryoless seed; herbicide resistance; primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
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0
                                                                                                                                                                                                                                                                                                                                                                                          / Match 0.4%; Score 21; DB 1; Length 21; Local Similarity 100.0%; Pred. No. 1.2e+02; Nes 21; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                          0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Inverse PCR primer Ubqla from WO9837211 Example 1.
                                                                                                                                                                                                                                                                                                                                               Sequence 21 BP; 3 A; 8 C; 6 G; 4 T; 0 U; 0 Other;
                                                                   Example 1; Page 14; 32pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   4 TCCCCCGGGCTGCAGGAATTC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            98WO-GB000542.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAV60992 standard; DNA; 24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            20-FEB-1998;
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2; Indels

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22; Conservative

Local Similarity

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5022 TGTAAAAAAAAAAAAAAAAAAA 5045 TGNAAAAAAAAAAAAAAAAAAA 25

AAV03154 standard; DNA; 21

RESULT 25 AAV03154 ID AAVC XX AC AAVC

AAV03154

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                                                                                                                                                                                                                                                                                                                                                                                                                                        The present invention describes a pair of parent plants for producing seeds comprising: (a) a first parent plant containing at least 1 gene sequence encoding a polypeptide or protein A, and (b) a second parent plant containing at least 1 gene sequence encoding a polypeptide or protein B; where the polypeptides A and B, when expressed in separate plants, do not form an active enzyme, a regulatory protein or protein chick affects the functionality and/or viability and/or the structural integrity of a cell, but when expressed in the same plant do form an ective enzyme, regulatory protein, or protein which affects the structural integrity of a cell. Also described is a method for producing a plant having a desired phenotype by virtue of an active enzyme, a cell contains or a protein which affects the structural integrity of a cell comprising crossing a first line with a second line where the first line contains one or more gene sequences encoding a polypeptide or protein. A but which line does not have the desired phenotype and where
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             the second line contains one or more gene sequences encoding a polypeptide or protein B which is complementary to the polypeptide or protein A but which line does not have the desired phenotype. The method can be used for producing plants having altered phenotypes, e.g. malesterility, embryoless seeds, altered blochemical (e.g. fatty acid) composition or herbicide resistance. The present sequence represents an inverse PCR (IPCR) primer which is used in an example from the present
                                                                                                                                                                                                                                                         Production of transgenic plants having a desired phenotype - by using a pair of parent plants which each produce a polypeptide which complement
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Human; GM2 activation protein 14; recombinant production; malignant tumour; cancer; blood disease; HIV infection; human immunodficiency virus; immune disorder; inflammatory condition; familial cretinism; embryonic disorder; developmental disorder; nervous system disorder; gene therapy; cytostatic; anti-HIV; anti-HI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 21; DB 1; Length 24;
Pred. No. 1.2e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 24 BP; 5 A; 7 C; 8 G; 4 T; 0 U; 0 Other;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GGATCCCCCGGGCTGCAGGAA 21
                                                                                                                                                                                                                                                                                                                                                                                         Example 1; Fig 1G; 58pp; English.
                                                                                                                                Perez P, Huttner E,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            435/c
ABA02435 standard; DNA; 24 BP
   97GB-00003681
                                                                (GENE-) GENE SHEARS PTY LTD
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                                                                                                                                                                                                                                                                                                                            each other when crossed.
                                                                                                                                                                                            WPI; 1998-467572/40.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   40200187915-A1
   21-FEB-1997;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                22-NOV-2001
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Best Local 8
                                                                                                                                Paul W,
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The invention relates to numen GMZ activation protein 14 (AMPAD2A3), and a method for the recombinant production of GMZ activation protein 14. The protein has a molecular weight of 14 MD. The present inventionally discloses an antagonist of GMZ activation protein 14. The protein last seeds an antagonist of GMZ activation protein 14 for therapeutic use, and an artibody which specifically binds to GMZ activation protein 14. and nucleotides which encode it may be used for treating a variety of diseases, and inclocatides which encode it may be used for treating a variety of diseases, and inclocation will infection, immune disorders, inflammatory conditions, familial cretinies, embryonic and developmental disorders, and nervous system disorders. The protein may also be used to screen for modulators of its activity or for peptide fingerprinting identification. The polymucleotide can be used as a primer for nucleic coid amplification reactions or as a probe for hybridisation reactions, or in producing gene chips or microarrays. Sequences ABA02434-ABA02435 community is activated when the protein protein protein protein protein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          exemplification of the invention to isolate human GM2 activation protein
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haemopathy; HIV; infection; immunological disease; inflammation; PCR;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                   Human GM2 activation protein 14 and encoding polynucleotide, used in diagnosis and treatment of malignant tumors, hemopathy, human immunodeficiency virus infection, immunological diseases and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     The invention relates to human GM2 activation protein 14 (AAM52936)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ö
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100.0%; Pred. No. 1.2e+02;
ative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 24 BP; 2 A; 10 C; 9 G; 3 T; 0 U; 0 Other;
                                                                                                                                                       (BIOW-) BIOWINDOW GENE DEV INC SHANGHAI.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (BODE-) BODE GENE DEV CO LTD SHANGHAI.
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26-FEB-2001; 2001WO-CN000228.
                                                                             02-MAR-2000; 2000CN-00111833
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Local Similarity 100.
1es 21; Conservative
                                                                                                                                                                                                                                                                                                          WPI; 2002-062368/08.
                                                                                                                                                                                                                                Xie Y;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          inflammation.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ABA95961;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   14 CDNA
                                                                                                                                                                                                                                Mao Y,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Matches
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RESULT 30
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ន្តដូននេះ
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     The invention relates to human zinc finger protein 12.54 (ABPSB744) and nucleic acids encoding it (ABZS7353). The protein has a molecular weight of 12.54 kD. The invention also relates to a method for the recombinant production of the protein, an antagonist of the protein, and the use of the protein, gene and antagonist in therapeutic applications. Zinc finger protein, 12.54 can be used in the treatment of a variety of diseases such
                                                                                                                                                                                                                                                                                            ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Polypeptide-human zinc finger protein 12.54 and polynucleotide for coding
                                                                                                  The invention relates to human molecular chaperone cpn60 protein 14, polynucleotide encoding for this polypeptide and a method for producing this polypeptide by using DNA recombinant techniques. The invention also discloses the method for curing several diseases, such as malignant tumour, haemopathy, HIV infection, immunological disease and various inflammations by using the polypeptide. The invention also discloses an antagonist for resisting said polypeptide and its therapeutic action and the application of polynucleotide encoding this novel human molecular chaperone cpn60 protein 14. The present sequence is that of a human molecular chaperone cpn60 protein 14 PCR primer, useful in examples of
                                        New polypeptide human chapronin CPN 60 protein 14 and polynucleotides for encoding same.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human; zinc finger protein 12.54; recombinant production; gene therapy; cancer; tumour; human immunodeficiency virus; HIV infection; cytostatic; reverse transcription-PCR; RT-PCR; primer; 8s.
                                                                                                                                                                                                                                                                                               Gaps
                                                                                                                                                                                                                                                                                               ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human zinc finger protein 12.54 RT-PCR primer, SEQ ID NO:3.
                                                                                                                                                                                                                                                                     0.4%; Score 21; DB 1; Length 24; 100.0%; Pred. No. 1.2e+02; cive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                Sequence 24 BP; 2 A; 10 C; 9 G; 3 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Example 2; Page 17 (Disclosure); 32pp; Chinese.
                                                                                Example 2; Page 17 (Disclosure); 32pp; Chinese.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (BODE-) BODE GENE DEV CO LTD SHANGHAI.
                                                                                                                                                                                                                                                                                                                     5065 CTCGAGGGGGGCCCGGTACC 5085
                                                                                                                                                                                                                                                                                                                                                                                                       BP,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         05-JAN-2001; 2001CN-00105045
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    05-JAN-2001; 2001CN-00105045
                                                                                                                                                                                                                                                                                                                                                                                                       ABZ57354 standard; DNA; 24
                                                                                                                                                                                                                                                                                                                                                                                                                                                      (first entry)
                                                                                                                                                                                                                                                                                   Best Local Similarity 100.
Matches 21; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WPI; 2003-000314/01.
                           WPI; 2002-217511/28.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Mao Y, Xie Y;
       Xie Y;
                                                                                                                                                                                                                              the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CN1363573-A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            14-AUG-2002
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                                                                                                                                                                                                                                                                                                                                               23
                                                                                                                                                                                                                                                                                                                                                                                                                                ABZ57354;
                                                                                                                                                                                                                                                                             Query Match
        Mao Y,
                                                                                                                                                                                                                                                                                                                                                                                 RESULT 29
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The present invention relates to a method for determining if a gene product or compound is involved in preventing replication error in a cell. The method involves providing a cell with a specific inhibitor for a gene product or with a compound and determining the expression level of a marker gene in the cell, where the expression level of the marker gene in the cell, where the expression level of the marker gene is dependent on the occurrence of a replication error. The invention is useful in gene therapy and for treating a subject having tumours or cancer. The present sequence is a Caenorhabditis elegans heat-shock promoter DNA. This sequence is used to illustrate the method of
                                                                                                                                                                                                                                                                       ö
as cancer and HIV (human immunodeficiency virus) infection. Sequences ABZ57354-ABZ57355 represent reverse transcription-PCR (RT-PCR) primers used in an exemplification of the invention to isolate human zinc finger protein 12.54 cDNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Determining if a gene product/compound is involved in preventing replication error in a cell, useful for treating cancer, comprises determining expression level of a marker gene in a cell treated with a gene product inhibitor/compound.
                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Nematode; gene therapy; tumour; cancer; heat-shock promoter; ss.
                                                                                                                                                                                                                                                                          ;
0
                                                                                                                                                                                                                    Length 24;
                                                                                                                                                                                                                                                                          0; Indels
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/note= "N can be repeated Y times"
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/note= "N can be repeated X times"
                                                                                                                                                           Sequence 24 BP; 2 A; 10 C; 8 G; 4 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Caenorhabditis elegans heat-shock promoter DNA #2.
                                                                                                                                                                                                                 0.4%; Score 21; DB 1; Le
100.0%; Pred. No. 1.2e+02;
tive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                   5065 CTCGAGGGGGGCCCGGTACC 5085
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                                          CTCGAGGGGGGCCCGGTACC 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ВЪ.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            22-MAY-2001; 2001EP-00201936.
22-MAY-2002; 2002WO-NL000322.
28-NOV-2002; 2002WO-WO095071.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         21-NOV-2003; 2003US-00719995.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADR44221 standard; DNA; 24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (first entry)
                                                                                                                                                                                                                                                                                   21; Conservative
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(PLAS/) PLASTERK R H A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Caenorhabditis elegans.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WPI; 2004-603554/58.
                                                                                                                                                                                                                                Query Match
Best Local Similarity
Matches 21; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    misc_feature
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADR44221;
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acid molecules and the encoded proteins thereof. Specifically, it refers to enzymes that are calcium dependent phosphotriesterases essential to the detoxification process of organophosphates such as the insecticide proaxon and the nerve agents sarin and soman. The present invention describes a method to identify mutated PONs that exhibit substantially identical (or improved) substrate specificity in comparison with the wild expressed in bacteria. In particular, the method employed an in vitro expressed in bacteria. In particular, the method employed an in vitro evolution process to identify proteins with desired traits such as structural plasticity, catalytic activity and maintaining substrate binding. These mutants have been found to be useful for treating or preventing PONI-related diseases including hyperlipidaemia.
                                                                                         PCR; primer; 88; paraoxonase; PONI; praoxon; nerve agent; sarin; soman; in vitro evolution; hyperlipidaemia; atherosclerosis; neurological disease; Alzheimer disease; neurofibromatosis; Huntington's disease; depression; amyotrophic lateral sclerosis; multiple sclerosis; stroke; Parkinson's disease; multi-infarct dementia; encer; organophosphate poisoning; antilipaemic; antiarteriosclerotic; antiparkinsonian; antidepressant; antidepressant; antiparkinsonian; antidepressant;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         atherosclerosis, neurological disease (e.g. Aizheimer's disease, neurofibromatosis, Huntington's disease, depression, amyotrophic lateral sclerosis, multiple sclerosis, stroke, Parkinson's disease or multiplinated demential, cancer and organophosphate poisoning. Accordingly, they exhibit antilipaemic, antiarteriosclerotic, neuroprotective, notropic, cytostatic, antiarteriosant and antiparkinsonian activities, as well as being an antidote in a case of poisoning. This oligonucleotide sequence is a PCR primer used for the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Novel mutant of PON enzyme exhibiting increased substrate specificity to
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              This invention relates to novel mutant serum paraoxonase (PON1) nucleic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PON substrate, useful for treating or preventing PON1-related diseases e.g., hyperlipidemia, atherosclerosis, neurological disease or cancer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     cloning and expression of a wild type PON1 gene of the invention.
                                                 primer used in the cloning of PON1 genes Seg 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0.4%; Score 20.2; DB 1; Length 22; 95.2%; Pred. No. 1.4e+02; ative 1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Seguence 22 BP; 0 A; 0 C; 0 G; 20 T; 0 U; 2 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sussman JL,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Example 1; SEQ ID NO 11; 240pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaydukov L,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    5024 TAAAAAAAAAAAAAAAAA 5044
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (YEDA ) YEDA RES & DEV CO LID
                                                                                                                                                                                                                                                                                                                                                                                                                                                        04-MAR-2004; 2004WO-IL000216.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    04-MAR-2003; 2003US-0451267P.
22-OCT-2003; 2003US-0512925P.
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  (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  20; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Fawfik DS, Aharoni A,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WPI; 2004-668627/65.
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Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                       WO2004078991-A2.
                                              Oligo dT PCR
  02-DEC-2004
                                                                                                                                                                                                                                                                                                                                                                                                           16-SEP-2004
                                                                                                                                                                                                                                                                                                             Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Best Local
Matches
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ID AAF7
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       The present invention relates to human natural killer cell enhancing factor B13.64 (see AAM48184). The enhancing factor and its coding sequence are useful in the diagnosis and treatment of malignant tumours, haemopathy, HIV infection, immunological diseases and various inflammations. The present sequence is a PCR primer, which was used in an
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human natural killer cell enhancing factor B13.64 and encoded polynucleotide, used in diagnosis and treatment of malignant tumors, hemopathy, human immunodeficiency virus infection, immunological diseases
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human, natural killer cell; enhancing factor; Bl3.64; cytostatic;
haemostatic; virucide; immunomodulatory; antiinflammatory; gene therapy;
tumour; haemopathy; HIV infection; immunological disease; inflammation;
                                                                                                Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human natural killer cell enhancing factor B13.64 PCR primer #1.
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Pred. No. 1.4e+02;
0; Mismatches 1; Indels
                                          0.4%; Score 21; DB 1; Length 24; 91.3%; Pred. No. 1.2e+02; tive 0; Mismatches 2; Indels
Sequence 24 BP; 20 A; 0 C; 1 G; 1 T; 0 U; 2 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 24 BP; 2 A; 11 C; 8 G; 3 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (SHAN-) SHANGHAI BIOWINDOW GENE DEV INC.
                                                                                                                                          5022 TGTAAAAAAAAAAAAAAAAAA 5044
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            5063 AACTCGAGGGGGGCCCGGTAC 5084
                                                                                                                                                                     example from the present invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Example 2; Page 18; 38pp; Chinese.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ACCTCGAGGGGGGGCCCGGTAC 1
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                                                                                                                                                                                                                                                                                                           ABA95469 standard; DNA; 24 BP
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ilarity 95.5%;
Conservative (
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ADS13095/c
ID ADS13095 standard; DNA; 22
XX
AC ADS13095;
                                                                                                                                                                                                                                                                                                                                                                                                         (first entry)
                                                                     Best Local Similarity 91.3
Matches 21, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WPI; 2002-089921/12.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   and inflammation.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WO200190177-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PCR primer; ss
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                         04-APR-2002
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                                                                                                                                                                                                                                                                                                                                                          ABA95469;
                                              Query Match
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AAF76082;

Synthetic.

Loerz H,

Novel

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The present invention provides the protein and coding sequences of the Zea mays ZmWADS2 protein, which is specifically expressed in pollen. The sequences can be used to produce male sterile plants, as ZmWADS2 is essential for pollen tube growth. These are useful in hybrid breeding, particularly of corn, cereal and grain. The present sequence is a PCR primer for the ZmWADS2 coding sequence
  Male sterile plant; maize; hybrid breeding; pollen tube; ZmMADS2; grain; cereal; corn; PCR primer; s8.
                                                                                                                                                                                                                                                                                                                                                                                                                      Novel nucleic acid molecule, ZmMADS2 derived from pollen of Zea mays useful for cloning and expressing a pollen specific sequence in a plant
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human PI3K regulatory subunit 4, p150 DNA antisense oligonucleotide #1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human; phosphoinositide-3-kinase regulatory subunit 4; p150; p13K; p13 kinase; ss; antisense oligonucleotide; phosphorothioate linkage; 2'-0-methoxyethyl sugar moiety; 5-methoxyetosine; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; neurodegenerative disorder; metabolic disorders; inflammation; cytostatic; immunomodulator; neurodegenerative; antimicrobial;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0.4%; Score 20; DB 1; Length 20;
.00.0%; Pred. No. 1.4e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 20 BP; 3 A; 8 C; 6 G; 3 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Similarity 100.0%; Pred. No. 1...
                                                                                                                                                                                                                                                                                                                                           Schreiber D,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         and for producing male sterile plants.
                                                                                                                                                                                                                                                                                                  (SUED-) SUEDWESTDEUTSCHE SAATZUCHT.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Example 1; Page 74; 76pp; English.
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ID ADH26676 standard; DNA; 20 BP.
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                                                                                                                                                                                                             16-AUG-2000; 2000WO-EP008001.
                                                                                                                                                                                                                                                         99EP-00116267
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                                                                                                                                                                                                                                                                                                                                             Dresselhaus T,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (ISIS-) ISIS PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                      WPI; 2001-211213/21.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           antiinflammatory.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US2003225013-A1.
                                                                                                                                WO200112798-A2.
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                                                                                                                                                                                                                                                           18-AUG-1999;
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                                                                                                                                                                         22-FEB-2001
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
                                                                                                                                                                                                                                                                                                                                                Loerz H,
                                                                                         Zea mays.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT 35
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      The invention relates to regulatory elements (AAF76067) from the maize MADS box gene ZmwADS2 (AAF76068) which are capable of directing capression in a pollen-specific manner. The ZmwADS2 protein (AAB73333) is expression in a pollen-specific manner. The ZmwADS2 protein (AAB73333) is capressed particularly in mature pollen after dehiscence, indicating that it has an essential role in pollen development and function, in particular in pollen tube growth. The invention also relates to vectors particular in pollen tube growth. The invention also relates to vectors and host cells comprising the ZmwADS2 regulatory or generation of transgenic plants. The ZmwADS2 regulatory sequences are useful for cloning and expressing a pollen-specific or pollen-abundant gene in a plant, and may also be used to drive the capression of a gene of interest in a pollen-specific or pollen-preferred commence. The ZmwADS2 regulatory sequences are useful for isolating related regulatory sequences of other plant species which confer pollen or group crequences are useful in plant breeding, especially for the production of hybrid seed. In particular, they may be used to drive the production of hybrid seed. In particular, they may be used to drive the pollen-specific expression of heterologous genes which confer nuclear or cytoplasmic male captality in transgenic plants (e.g., cereals). Sequences AAF76081.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
                                                                                                             pBluescript vector PCR primer, SEQ ID:26, used to isolate ZmMADS2 cDNA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             nucleic acid molecule useful for cloning and expressing a pollen
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
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                                                                                                                                                    Maize MADS box gene; ZmMADS2; pollen-specific expression;
pollen development; function; transgenic plant; male sterility;
hybrid seed production; PCR primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0.4%; Score 20; DB 1; Length 20; 100.0%; Pred. No. 1.4e+02; Live 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Maize ZmMADS2 coding sequence PCR primer SEQ ID NO: 26.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 20 BP; 3 A; 8 C; 6 G; 3 T; 0 U; 0 Other;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Schreiber D,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (SUED-) SUEDWESTDEUTSCHE SAATZUCHT
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           specific sequence in a plant.
                                                                                                                                                                                                                                                                                                                                                                                                                             99EP-00116268.
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Best Local Similarity 100.
Matches 20; Conservative
                                                                             22-MAY-2001 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Dresselhaus T,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         WPI; 2001-211214/21.
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AAF76469;

BX ZX SX

RESULT 34 AAF76469

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The invention relates to a compound targeted to a nucleic acid molecule encoding human phosphoinositide-3-kinase (PI3K) regulatory subunit 4, p150. The compound its an antisense oligonucleotide that specifically hybridises with a nucleic acid molecule encoding PI3K regulatory subunit 4, p150 and inhibits expression of the polypeptide. The antisense oligonucleotide comprises at least one modified internucleoside linkage i.e. a phosphorothioate linkage, at least one modified sugar moiety, preferably a 2'-O-methoxyethyl sugar moiety, or at least one modified concleobase comprising a 5-methylcytosine. The antisense compounds are useful for modulating the expression of PI3K regulatory subunit 4, p150 and for preventing or treating hyperproliferative disorders and cancer), Chediak-Higashi syndrome, neurodegenerative disorders and metabolic disorders. These may also be used in research and diagnostics and in preventing or delaying infection or inflammation. This sequence represents an antisense oligonucleotide of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human PI3K regulatory subunit 4, p150 DNA antisense oligonucleotide #34.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human; phosphoinositide-3-kinase regulatory subunit 4; p150; P13K; P13 kinase; ss; antiense oligonuclectide; phosphorothioate linkage; 2'-O-methoxyethyl sugar moiety; 5-methylcytosine; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; neurodegenerative disorder; metabolic disorders; inflammation;
                                                                                      New antisense oligonucleotides inhibiting the expression of phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for preventing or treating diseases associated with the subunit, e.g.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        cytostatic; immunomodulator; neurodegenerative; antimicrobial;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 20; DB 1; Length 20;
Pred. No. 1.4e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 20 BP; 5 A; 8 C; 5 G; 2 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Mismatches
                                                                                                                                                                              Example 15; SEQ ID NO 11; 62pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CGTTTGCTGGGGCTGCAGCA 62
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Best Local Similarity 100.0%; Pr
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CGTTTGCTGGGGCTGCAGCA 1
                                                                                                                            preventing or treating disease hyperproliferative disorders.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ВР
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                 Dobie KW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Dobie KW;
                                                   WPI; 2004-051923/05.
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                 Freier SM,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADH26709;
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The invention relates to a compound targeted to a nucleic acid molecule encoding human phosphoinositide-3-kinase (PI3K) regulatory subunit 4, p150. The compound is an antisense oligonucleotide that specifically hybridises with a nucleic acid molecule encoding PI3K regulatory subunit 6, p150 and inhibits expression of the polypeptide. The antisense coligonucleotide comprises at least one modified internucleoside linkage i.e. a phosphorothioate linkage, at least one modified sugar molety, preferably a 2'-0-methoxyethyl sugar molety, or at least one modified in cucleobase comprising a 5-methylcytoshine. The antisense compounds are useful for modulating the expression of PI3K regulatory subunit 4, p150 and for preventing or treating hyperproliferative disorders and cancer), Chediak-Higashi syndrome, neurodegenerative disorders and cancer), chediak-Higashi syndrome, neurodegenerative disorders and in preventing or delaying infection or inflammation. This sequence represents an antisense oligonucleotide of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human PI3K regulatory subunit 4, p150 DNA antisense oligonucleotide #51.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gape
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human, phosphoinositide-3-kinase regulatory subunit 4; p150; P13K; P13 kinase; ss; antisense oligonucleotide; phosphorothioate linkage; 2'-O-methoxyethyl sugar moiety; 5-methoxyethyl sugar moiety; 5-metholycycosine; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; neurodegenerative disorder; metabolic disorders; inflammation; cytostatic; immunomodulator; neurodegenerative; antimicrobial;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               New antisense oligonuclectides inhibiting the expression of phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for preventing or treating diseases associated with the subunit, e.g. hyperproliferative disorders.
                for
              phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for preventing or treating diseases associated with the subunit, e.g.
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New antisense oligonucleotides inhibiting the expression of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0.4%; Score 20; DB 1; Length 20;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1.4e+02;
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                                                                                                Example 15; SEQ ID NO 44; 62pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      2041 ACAGCTCTGAGATTCCTGGA 2060
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ID ADH26726 standard; DNA; 20 BP.
                                                        hyperproliferative disorders.
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Matches
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                                                                                           The invention relates to a compound targeted to a nucleic acid molecule encoding human phosphoinositide-3-kinase (PI3K) regulatory subunit 4, p150. The compound is an antisense oligonucleotide that specifically hybridises with a nucleic acid molecule encoding PI3K regulatory subunit 4, p150 and inhibits expression of the polypeptide. The antisense oligonucleotide comprises at least one modified internucleoside linkage i.e. a phosphorothicate linkage, at least one modified sugar moiety, preferably a 2'-0-methoxyethyl sugar moiety, or at least one modified nucleobase comprising a 5-methylcytosine. The antisense compounds are useful for modulating the expression of PI3K regulatory subunit 4, p150 and for preventing or treating hyperproliferative disorders (i.e.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             The invention relates to a compound targeted to a nucleic acid molecule encoding human phosphoinositide-3-kinase (PI3K) regulatory subunit 4, p150. The compound is an antisense oligonucleotide that specifically
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human P13K regulatory subunit 4, p150 DNA antisense oligonucleotide #58.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                cancer), Chediak-Higashi syndrome, neurodegenerative disorders and cancer), Chediak-Higashi syndrome, neurodegenerative disorders and metabolic disorders. These may also be used in research and diagnostics and in preventing or delaying infection or inflammation. This sequence represents an antisense oligonucleotide of the invention.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 New antisense oligonucleotides inhibiting the expression of phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for preventing or treating diseases associated with the subunit, e.g.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 20 BP; 4 A; 2 C; 5 G; 9 T; 0 U; 0 Other;
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Example 15; SEQ ID NO 61; 62pp; English.
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Matches
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hybridises with a nucleic acid molecule encoding PI3K regulatory subunit 4, p150 and inhibits expression of the polypeptide. The antisense coligonucleotide comprises at least one modified internucleoside linkage oligonucleotide comprises at least one modified internucleoside linkage preferably a 2'-0-methoxyethyl sugar moiety, or at least one modified nucleobase comprising a 5-methylcytosine. The antisense compounds are nucleobase comprising a 5-methylcytosine. The antisense compounds are nucleobase comprising a 5-methylcytosine of p13K regulatory subunit 4, p150 and for preventing or treating hyperproliferative disorders (i.e. cancer), Chediak-Higashi syndrome, neurodegenerative disorders and metabolic disorders and and in preventing or delaying infection or inflammation. This sequence represents an antisense oligonucleotide of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human PI3K regulatory subunit 4, p150 DNA antisense oligonucleotide #64.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Human; phosphoinositide-3-kinase regulatory subunit 4; p150; P13K; P13 kinase; ss; antisense oligonucleotide; phosphorothioate linkage; 2'-O-methoxyethyl sugar moiety; 5-methoxyethosine; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; neurodegenerative disorder; metabolic disorders; inflammation; cytostatic; immunomodulator; neurodegenerative; antimicrobial;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    New antisense oligonucleotides inhibiting the expression of phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for preventing or treating diseases associated with the subunit, e.g.
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                                                                                                                                                                                                                                                                                                           DB 1; Length 20;
1.4e+02;
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                                                                                                                                                                                                                                                                                                                                                          0; Mismatches
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                                                                                                                                                                                                                                                                                                                 0.4%; Score 20;
100.0%; Pred. No.
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es 20; Conservative
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nucleobase comprising a 5-methylcytosine. The antisense compounds are useful for modulating the expression of PINK regulatory subunit 4, p150 and for preventing or treating hyperproliferative disorders (i.e. cancer), Chediak-Higashi syndrome, neurodegenerative disorders and metabolic disorders. These may also be used in research and diagnostics and in preventing or delaying infection or inflammation. This sequence represents an antisense oligonucleotide of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human PI3K regulatory subunit 4, p150 DNA antisense oligonucleotide #74.
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Matches 20; Conservative
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The invention relates to a compound targeted to a nucleic acid molecule encoding human phosphoinositide-3-kinase (PI3K) regulatory subunit 4, p150 molecule as an antisense oligonucleotide that specifically hybridises with a nucleic acid molecule encoding PI3K regulatory subunit 4, p150 and inhibits expression of the polypeptide. The antisense oligonucleotide comprises at least one modified internucleoside linkage i.e. a phosphorothioate linkage, at least one modified sugar moiety, preferably a 2'-O-methoxyethyl sugar moiety, or at least one modified nucleobase comprising a 5-methylcytosine. The antisense compounds are nucleobase comprising the expression of P13K regulatory subunit 4, p150 and for preventing or treating hyperproliferative disorders and metabolic disorders. These may also be used in research and diagnostics and in preventing or delaying infection or inflammation. This sequence represents a P13K regulatory subunit 4, p150 DNA antisense
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and in preventing or delaying infection or inflammation. This sequence represents an antisense oligonuclectide of the invention.
                                                                                                                                Gape
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                                                                                                                                                                                                                                                                                                                                                                                                                Human PI3K regulatory subunit 4, p150 DNA target region #3.
                                                                                           Length 20;
                                                                                                                              0; Indels
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                                                      Sequence 20 BP; 5 A; 4 C; 3 G; 8 T; 0 U; 0 Other;
                                                                                                             1.46+02;
                                                                                           DB 1,
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                                                                                           0.4%; Score 20;
                                                                                                                                                                    4633 GTGTGGAAATAAAACCTACT 4652
                                                                                                                                                                                         GTGTGGAAATAAAACCTACT 1
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Best Local Similarity
Matches 20; Conserv
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The invention relates to a compound targeted to a nucleic acid molecule encoding human phosphoinositide-3-kinase (PI3K) regulatory subunit 4, p150. The compound is an antisense olisyoucleotide that specifically hybridises with a nucleic acid molecule encoding PI3K regulatory subunit 4, p150 and inhibits expression of the polypeptide. The antisense olisyoucleotide comprises at least one modified internucleoside linkage i.e. a phosphorothioate linkage, at least one modified sugar moiety, preferably a 2'-0-methoxyethyl sugar moiety, or at least one modified sugar moiety, preferably a 2'-0-methoxyethyl sugar moiety, or at least one modified on uncleobase comprising a 5-methyloytosine. The antisense compounds are useful for modulating the expression of PI3K regulatory subunit 4, p150 and for preventing or treating hyperproliferative disorders (i.e. and for preventing or treating hyperproliferative disorders and cancer), chediak-Higashi syndorme, neurodegenerative disorders and and in preventing or delaying infection or inflammation. This sequence and in preventing or delaying infection or inflammation. This sequence
                                                       ö
                                                                                                                                                                                                                                                                                                                                                      Human PI3K regulatory subunit 4, p150 DNA antisense oligonucleotide #3.
                                                                                                                                                                                                                                                                                                                                                                                    Human; phosphoinositide-3-kinase regulatory subunit 4; p150; P13K; P13 kinase; 8s; antisense oligonucleotide; phosphorothioate linkage; 2'-O-methoxyethyl sugar moiety; 5-methylcytosine; hyperproliferative disorder; cancer; Chediak-Higeshi syndrome; neurodegenerative disorder; metabolic disorders; inflammation; cytostatic; immunomodulator; neurodegenerative; antimicrobial; antinilammatory.
                                                       Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          New antisense oligonucleotides inhibiting the expression of phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for preventing or treating diseases associated with the subunit, e.g. hyperproliferative disorders.
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                Length 20;
                                                       0; Indels
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                                      1.4e+02;
                   Score 20; DB 1;
Pred. No. 1.4e+0
Ouery Match 0.4%; Score 20; UB
Best Local Similarity 100.0%; Pred. No. 1.4
Conservative 0; Mismatches
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                                                                                                 377 AGCCCATCTCCTGTCTATGA 396
                                                                                                                    1 AGCCCATCTCCTGTCTATGA 20
                                                                                                                                                                                                                                        ADH26678 standard; DNA; 20 BP
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                                                                                                                                                                                                                                                                                                                         (first entry)
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                                                                                                                                                                                                                                                                                     ADH26678;
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Gaps

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0; Indels

0.4%; Score 20; DB 1; Length 20; 100.0%; Pred. No. 1.4e+02;

0; Mismatches

20; Conservative

Query Match Best Local Similarity Matches 20; Conserv

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The invention relates to a compound targeted to a nucleic acid molecule encoding human phosphoinositide-3-kinase (PI3K) regulatory subunit 4, p150. The compound is an antisense oligonucleotide that specifically hydridises with a nucleic acid molecule encoding PI3K regulatory subunit hybridises with a nucleic acid molecule encoding PI3K regulatory subunit oligonucleotide comprises at least one modified. The antisense oligonucleotide comprises at least one modified internucleoside linkage i.e. a phosphorothioate linkage, at least one modified sugar moiety, i.e. a phosphorothioate linkage, at least one modified sugar moiety, or at least one modified nucleobase comprising a 5-methylotrosine. The antisense compounds are useful for modulating the expression of PI3K regulatory subunit 4, p150 and for preventing or treating hyperproliferative disorders and metabolic disorders. These may also be used in research and diagnostics and in preventing or delaying infection or inflammation. This sequence
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                                                                                                                                                                                                                                             Human PI3K regulatory subunit 4, pl50 DNA antisense oligonucleotide #6.
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                                                                                                                                                                                                                                                                                       Human, phosphoinositide-3-kinase regulatory subunit 4; p150; P13K; p13 kinase; ss; antisense oligonucleotide; phosphorothioate linkage; 2'-0-methoxyethyl sugar moiety; 5-methoxyethyl sugar moiety; 5-methoxyethyl syndrome; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; neurodegenerative disorder; metabolic disorders; inflammation; cytostatic; immunomodulator; neurodegenerative; antimicrobial;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 New antisense oligonucleotides inhibiting the expression of phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for preventing or treating diseases associated with the subunit, e.g.
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100.0%; Pred. No. 1.4e+02;
tive 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Example 15; SEQ ID NO 16; 62pp; English.
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377 AGCCCATCTCTGTCTATGA 396
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          20 AACCTTACTAAAGACCACAG 1
                20 AGCCCATCTCCTGTCTATGA 1
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                                                                                                                                       ADH26681 standard; DNA; 20
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Best Local Similarity 100.
Matches 20; Conservative
                                                                                                                                                                                                                    (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                    antiinflammatory
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                                                                                                   RESULT 43
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                                                                                                       Human PI3K regulatory subunit 4, p150 DNA antisense oligonucleotide #26.
                                                                                                                              Human; phosphoinositide-3-kinase regulatory subunit 4; p150; P13K; P13 kinase; ss, antisense oligonucleotide; phosphorothioate linkage; 2'-O-methoxyethyl sugar moiety; 5-methylcytosine; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; neurodegenerative disorder; metabolic disorders; inflammation; cytostatic; immunomodulator; neurodegenerative; antimicrobial;
                                                                                                                                                                                                                                                                                                                                                                                                                                                               New antisense oligonucleotides inhibiting the expression of phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for preventing or treating diseases associated with the subunit, e.g.
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                         ADH26701 standard; DNA; 20 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        hyperproliferative disorders.
                                                                                                                                                                                                                                                                                                                            31-MAY-2002; 2002US-00160786.
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                                                                                                                                                                                                                  antiinflammatory.
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                                                 ADH26701;
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The invention relates to a compound targeted to a nucleic acid molecule encoding human phosphoinositide-3-kinase (PI3K) regulatory subunit 4, p150 The compound is an antisense oligonucleotide that specifically hybridises with a nucleic acid molecule encoding PI3K regulatory subunit 6, p150 and inhibits expression of the polypeptide. The antisense coligonucleotide comprises at least one modified internucleoside linkage i.e. a phosphorothioate linkage, at least one modified sugar molety, preferably a 2'-O-methoxyethyl sugar molety, or at least one modified or nucleobase comprising a 5-methylcytosine. The antisense compounds are useful for modulating the expression of P13K regulatory subunit 4, p150 and for preventing or treating hyperproliferative disorders and cancer), checiak-Higashi syndrome, neurodegenerative disorders and metabolic disorders. These may also be used in research and diagnostics and in preventing or delaying infection or infilammation. This sequence represents an antisense oligonucleotide of the invention.
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Human PI3K regulatory subunit 4, p150 DNA antisense oligonucleotide #42.
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                                                          Human, phosphoinositide-1-kinase regulatory subunit 4; p150; P13K; P13 kinase; ss; antisense oligomucleotide; phosphorothioate linkage; 2'-0-methoxyethyl sugar moiety; 5-methylcycosins; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; neurodegenerative disorder; metabolic disorders; inflammation;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      New antisense oligonucleotides inhibiting the expression of bhosphoinositide. 31-kinase, regulatory subunit 4, p150, useful for preventing or treating diseases associated with the subunit, e.g. hyperproliferative disorders.
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100.0%; Pred. No. 1.4e+02;
ve 0; Mismatches 0; Indels
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Matches 20; Conservative
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Pred. No. 1.4e+02;

Local Similarity 100.

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ADH26717 standard; DNA; 20 BP

RESULT 45
ADH26717/c
ID ADH26
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AC ADH26

ADH26717;

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cytostatic; immunomodulator; neurodegenerative; antimicrobial;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       The invention relates to a compound targeted to a nucleic acid molecule encoding human phosphoinositide-3-kinase (PI3K) regulatory subunit 4, p150. The compound is an antisense oligonucleotide that specifically hybridises with a nucleic acid molecule encoding PI3K regulatory subunit 4, p150 and inhibits expression of the polypeptide. The antisense oligonucleotide comparises at least one modified internucleoside linkage i.e. a phosphorothioate linkage, at least one modified sugar moiety, preferably a 2'-0-methoxyethyl sugar moiety, or at least one modified nucleobase comprising a 5-methyleytosine. The antisense compounds are useful for modulating the expression of PI3K regulatory subunit 4, p150 and for preventing or treating hyperproliferative disorders and cancer) checiak-Higashi syndrome, neurodegenerative disorders and may also be used in research and diagnostics and in preventing or delaying infection or inflammation. This sequence represents an antisense oligonucleotide of the invention.
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             PI3 kinase; ss; antisense oligomuclectide; phosphorothioate linkage; 2'-0-methoxyethyl sugar moiety; 5-methylcytosine; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; neurodegenerative disorder; metabolic disorders; inflammation; cytostatic; immunomodulator; neurodegenerative; antimicrobial; antiinflammatory.
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Human; phosphoinositide-3-kinase regulatory subunit 4; p150; PI3K;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            New antisense oligonucleotides inhibiting the expression of phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for preventing or treating diseases associated with the subunit, e.g. hyperproliferative disorders.
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ID ADH26748 standard; DNA; 20 BP.
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Best Local Similarity
                                                                                                                                                                                                         US2003225013-A1.
                                                                                                                                                                  Homo sapiens.
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                                                                                                                                                                                                                                                04-DEC-2003
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The invention relates to a compound targeted to a nucleic acid molecule accoding human phosphoinositide-3-kinase (PI3K) regulatory subunit 4, p150. The compound is an antisense oligonuclectide that specifically hybridises with a nucleic acid molecule encoding Pi3K regulatory subunit 4, p150 and inhibits expression of the polypeptide. The antisense oligonuclectide comprises at least one modified internucleoside linkage i.e. a phosphorothioare linkage, at least one modified sugar moiety, preferably a 2'-O-methoxyethyl sugar moiety, or at least one modified nucleobase comprising a 5-methylcytosine. The antisense compounds are useful for modulating the expression of P13K regulatory subunit 4, p150 and for preventing or treating hyperproliferative disorders (i.e. and for preventing or delaying infection or inflammation. This sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Human PI3K regulatory subunit 4, p150 DNA antisense oligonucleotide #77.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 New antisense oligonucleotides inhibiting the expression of phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for preventing or treating diseases associated with the subunit, e.g. hyperproliferative disorders.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ö
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         represents an antisense oligonucleotide of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 20 BP; 6 A; 5 C; 3 G; 6 T; 0 U; 0 Other;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Example 15; SEQ ID NO 83; 62pp; English.
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                                                                                                                                                                                                                                                                                                                  31-MAY-2002; 2002US-00160786.
                                                                                                                                                                                                                                                                                                                                                                                               31-MAY-2002; 2002US-00160786.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (ISIS-) ISIS PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Dobie KW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WPI; 2004-051923/05.
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antiinflammatory
                                                                                                                                                           US2003225013-A1.
                                                                                 Homo sapiens,
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                                                                                                                                                                                                                                        04-DEC-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Freier SM,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADH26752;
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The invention relates to a compound targeted to a nucleic acid molecule encoding human phosphoinositide-3-kinase (PI3K) regulatory subunit 4, p150. The compound is an antisense oligonuclectide that specifically hybridises with a nucleic acid molecule encoding PI3K regulatory subunit 4, p150 and inhibits expression of the polypeptide. The antisense oligonuclectide comprises at least one modified internucleoside linkage oligonuclectide comprises at least one modified sugar moiety, preferably a 2'-O-methoxyethyl sugar moiety, or at least one modified nucleobase comprising a 5-methylcytosine. The antisense compounds are useful for modulating the expression of PI3K regulatory subunit 4, p150 and for preventing or treating hyperproliferative disorders and cancer), Chediak-Higashi syndrome, neurodegenerative disorders and metabolic disorders. These may also be used in research and diagnostics and in preventing or delaying infection or inflammation. This sequence represents a PI3K regulatory subunit 4, p150 DNA antisense
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Human; phosphoinositide-3-kinase regulatory subunit 4; p150, p13K, P13 kinase; ds; antisense oligonucleotide; phosphorothioate linkage; 2'-O-methoxyethyl sugar moiety; 5-methylcytosine; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; neurodegenerative disorder; metabolic disorder; inflammation; cytostatic; immunomodulator; neurodegenerative; antimicrobial;
                                                                                                                                                                                                                              New antisense oligonucleotides inhibiting the expression of phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for preventing or treating diseases associated with the subunit, e.g. hyperproliferative disorders.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Human PI3K regulatory subunit 4, p150 DNA target region #11.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0.4%; Score 20; DB 1; Length 20;
100.0%; Pred. No. 1.4e+02;
Ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 20 BP; 2 A; 5 C; 8 G; 5 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          oligonucleotide target region of the invention.
                                                                                                                                                                                                                                                                                                                                                                 Example 15; SEQ ID NO 89; 62pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     43 CGTTTGCTGGGGCTGCAGCA 62
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CGTTTGCTGGGCTGCAGCA 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match 0.4%; 'Best Local Similarity 100.0%; Matches 20; Conservative 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADH26764 standard; DNA; 20 BP
                           31-MAY-2002; 2002US-00160786.
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                                                                            (ISIS-) ISIS PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (ISIS-) ISIS PHARM INC.
                                                                                                                                Freier SM, Dobie KW
                                                                                                                                                                                  WPI; 2004-051923/05.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    antiinflammatory.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              The invention relates to a compound targeted to a nucleic acid molecule encoding human phosphoinosttide-1-kinase (PT3K) regulatory subunit 4, p150. The compound is an antisense oligonucleotide that specifically hybridises with a nucleic acid molecule encoding PI3K regulatory subunit 6, p150 and inhibits expression of the polypeptide. The antisense oligonucleotide comprises at least one modified internucleoside linkage i.e. a phosphorothioate linkage, at least one modified sugar motety, preferably a 2'-0-methoxyethyl sugar motety, or at least one modified nucleothio comprising a 5-methyloytosine. The antisense compounds are useful for modulating the expression of PI3K regulatory subunit 4, p150 and for preventing or treating hyperproliferative disorders (1.e. cancer), Chediak-Higashi syndrome, neurodegenerative disorders and entabolic disorders. These may also be used in research and diagnostics and in preventing or delaying infection or inflammation. This sequence represents an antisense oligonucleotide of the invention.
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                                                                                                                                                                                                                                                                                                                                                              New antisense oligonucleotides inhibiting the expression of phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for preventing or treating diseases associated with the subunit, e.g.
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100.0%; Pred. No. 1.4e+02;
ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 20 BP; 6 A; 4 C; 2 G; 8 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Example 15; SEQ ID NO 87; 62pp; English
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                                                                                                     31-MAY-2002; 2002US-00160786
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                                                                                                                                                                                                          (ISIS-) ISIS PHARM INC
                                                                                                                                                                                                                                                                 Freier SM, Dobie KW;
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US2003225013-A1
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                                                 04-DEC-2003
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RESULT 49 ADH26754

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                                                                New antisense oligonucleotides inhibiting the expression of phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for preventing or treating diseases associated with the subunit, e.g. hyperproliferative disorders.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 20; DB 1; Length 20;
Pred. No. 1.4e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 20 BP; 5 A; 7 C; 2 G; 6 T; 0 U; 0 Other;
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                                                                                                                                                Example 15; SEQ ID NO 99; 62pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                               0.48;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         20; Conservative
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             Freier SM, Dobie KW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Freier SM, Dobie KW;
                                        WPI; 2004-051923/05.
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Best Local Similarity
Matches 20; Conserv
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The invention relates to a compound targeted to a nucleic acid molecule encoding human phosphoinositide-3-kinase (PI3K) regulatory subunit 4, p150 p150. The compound is an antisense oligonucleotide that specifically hybridises with a nucleic acid molecule encoding PI3K regulatory subunit 4, p150 and inhibits expression of the polypeptide. The antisense oligonucleotide comprises at least one modified internucleoside linkage i.e. a phosphorothioate linkage, at least one modified sugar moiety, preferably a 2'-O-methoxyethyl sugar moiety, or at least one modified in cucleobase comprising a 5-methylcytosine. The antisense compounds are useful for modilating the expression of PI3K regulatory subunit 4, p150 and for preventing or treating hyperproliferative disorders (i.e. cancer), Chediak-Higashi syndrome, neurodegenerative disorders and in preventing or delaying infection or inflammation. This sequence and in preventing or delaying infection or inflammation. This sequence of the incomplete of
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New antisense oligonucleotides inhibiting the expression of phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for preventing or treating diseases associated with the subunit, e.g. hyperproliferative disorders.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 20;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 20 BP; 5 A; 6 C; 2 G; 7 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0.4%; Score 20; DB 1; I
100.0%; Pred. No. 1.4e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   represents a PI3K regulatory subunit 4, p150 DN oligonucleotide target region of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0; Mismatches
                                                                                                                                                                                              Example 15; SEQ ID NO 110; 62pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1706 CTGTTATAACATCCTGCCTA 1725
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             11-MAR-2004 (first entry)
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Best Local Similarity 100.
Matches 20; Conservative
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ADH26695;
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                                                       The invention relates to a compound targeted to a nucleic acid molecule encoding human phosphoinositide-3-kinase (PI3K) regulatory subunit 4, p150. The compound is an antisense oligonucleotide that specifically hybridises with a nucleic acid molecule encoding PI3K regulatory subunit 4, p150 and inhibits expression of the polypeptide. The antisense oligonucleotide comprises at least one modified internucleoside linkage i.e. a phosphorothioate linkage, at least one modified sugar moiety, preferably a 2'-O-methoxyethyl sugar moiety, or at least one modified nucleobase comprising the expression of F13K regulatory subunit 4, p150 useful for modulating the expression of F13K regulatory subunit 4, p150 and for preventing or treating hyperproliferative disorders and metabolic disorders. These may also be used in research and diagnostics and in preventing or delaying infection or inflammation. This sequence represents a P13K regulatory subunit 4, p150 DNA antisense
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       New antisense oligonucleotides inhibiting the expression of phosphoinositide. J.kinase, regulatory subunit 4, pl50, useful for preventing or treating diseases associated with the subunit, e.g. hyperproliferative disorders.
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                                                                                                                                                                                                                                                                                                                                                                 0.4%; Score 20; DB 1; Length 20;
                                                                                                                                                                                                                                                                                                                                                                                                 0; Indels
                                                                                                                                                                                                                                                                                                                                  Sequence 20 BP; 4 A; 4 C; 7 G; 5 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                   Pred. No. 1.4e+02;
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                                Example 15; SEQ ID NO 132; 62pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                3504 GCGTCCTAAAGGGCTGTTAG 3523
                                                                                                                                                                                                                                                                                                                                                                                                                                                         GCGTCCTAAAGGCTTTTAG 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADH26811 standard; DNA; 20 BP
hyperproliferative disorders.
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                                                                                                                                                                                                                                                                                                                                                                                                 20; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                  Best Local Similarity
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The invention relates to a compound targeted to a nucleic acid molecule encoding human phosphoinositide-3-kinase (PI3K) regulatory subunit 4, p150. The compound is an antisense oligonuclectide that specifically hybridises with a nucleic acid molecule encoding PI3K regulatory subunit 4, p150 and inhibits expression of the polypeptide. The antisense oligonuclectide comprises at least one modified internucleoside linkage i.e. a phosphorothioate linkage at least one modified sugar motety, preferably 2'-0-methoxyethyl sugar motety, or at least one modified nucleobase comprising a 5-methylcytosine. The antisense compounds are useful for modulating the expression of PI3K regulatory subunit 4, p150 and for preventing or treating hyperproliferative disorders and cancer), Chediak-Higashi syndrome, neurodegenerative disorders and metabolic disorders. These may also be used in research and diagnostics and in preventing or delaying infection or inflammation. This sequence represents a P13K regulatory subunit 4, p150 DNA antisense
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      The invention relates to a compound targeted to a nucleic acid molecule encoding human phosphoinositide-3-kinase (PI3K) regulatory subunit 4, p150. The compound is an antisense oligonucleotide that specifically hybridises with a nucleic acid molecule encoding PI3K regulatory subunit
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Human PI3K regulatory subunit 4, p150 DNA antisense oligonucleotide #20.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 20 BP; 8 A; 2 C; 4 G; 6 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                         oligonucleotide target region of the invention.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   4792 CAAAATGGTTAAGATGTACT 4811
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CAAAATGGTTAAGATGTACT 20
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ID ADH26695 standard; DNA; 20
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The invention relates to a compound targeted to a nucleic acid molecule encoding human phosphoinositide-3-kinase (P13K) regulatory subunit 4, p150. The compound is an antisense oligonucleotide that specifically thybridises with a nucleic acid molecule encoding P13K regulatory subunit 4, p150 and inhibits expression of the polypeptide. The antisense oligonucleotide comprises at least one modified internucleoside linkage oligonucleotide comprises at least one modified internucleoside linkage preferably a 2'-0-methoxyethyl sugar motety, or at least one modified nucleobase comprising a 5-methylcytosine. The antisense compounds are
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human PI3K regulatory subunit 4, p150 DNA antisense oligonucleotide #60.
4, p150 and inhibits expression of the polypeptide. The antisense oligomucleotide comprises at least one modified internucleoside linkage i.e. a phosphorothioate linkage, at least one modified sugar moiety, preferably a 2'-O-methoxyethyl sugar moiety, or at least one modified uncleobase comprising a 5-methylcytosine. The antisense compounds are useful for modulating the expression of P13K regulatory subunit 4, p150 and for preventing or treating hyperproliferative disorders (i.e. cancer), Chediak-Higashi syndrome, neurodegenerative disorders and metabolic disorders. These may also be used in research and diagnostics and in preventing or delaying infection or inflammation. This sequence represents an antisense oligonucleotide of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human; phosphoinositide-3-kinase regulatory subunit 4; p150; P13K; p13 kinase; ss; antisense oligonucleotide; phosphorothioate linkage; 2'-0-methoxyethyl sugar moiety; 5-metholycytosine; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; neurodegenerative disorder; metabolic disorders; inflammation; cytostatic; immunomodulator; neurodegenerative; antimicrobial;
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Pred. No. 1.4e+02;
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100.0%; Pred. No. ...
0, Mismatches
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                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity
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The invention relates to a compound targeted to a nucleic acid molecule encoding human phosphoinositide-3-kinase (PI3K) regulatory subunit 4, cancoding human phosphoinositide-3-kinase (PI3K) regulatory subunit 4, the compound is an antisense oligomucleoride that specifically cancer that an antisense oligomucleoride comprises at least one modified. The antisense oligomucleoride comprises at least one modified internucleoside linkage i.e. a phosphorothioare linkage, at least one modified sugar moiety, preferably a 2-0-methoxyethyl sugar moiety, or at least one modified nucleobase comprising a 5-methylorytosine. The antisense compounds are nucleobase comprising the expression of PI3K regulatory subunit 4, pISO useful for modulating the expression of PI3K regulatory subunit 4, pISO and for preventing or treathing hyperproliferative disorders and cancer), Chediak Higashi syndrome, neurodegenerative disorders and metabolic disorders. These may also be used in research and diagnostics and in preventing or delaying infection or inflammation. This sequence
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                 and for preventing or treating hyperproliferative disorders (i.e. cancer), Chediak-Higashi syndrome, neurodegenerative disorders and metabolic disorders. These may also be used in research and diagnostics and in preventing or delaying infection or inflammation. This sequence represents an antisense oligonucleotide of the invention.
for modulating the expression of PI3K regulatory subunit 4, p150
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                                                                                                                                                                                   0.4%; Score 20; DB 1; Length 20; 100.0%; Pred. No. 1.4e+02; tive 0; Mismatches 0; Indels
                                                                                                                                                  Sequence 20 BP; 8 A; 4 C; 6 G; 2 T; 0 U; 0 Other;
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                                                                                                                                                                                                                                                                          3899 TICTIGCCTATGCCACTGTG 3918
                                                                                                                                                                                                                                                                                                         20 TTCTTGCCTATGCCACTGTG 1
                                                                                                                                                                                                                                                                                                                                                                                                                          ADH26794 standard; DNA; 20 BP.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             11-MAR-2004 (first entry)
                                                                                                                                                                                                               Local Similarity 100.
Les 20; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (ISIS-) ISIS PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WPI; 2004-051923/05.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        antiinflammatory.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADH26794;
                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                          Best Loca
Matches
                                                                                                                                                                                                                                                                                                                                                                                         RESULT 56
                                                                                                                                                                                                                                                                                                                                                                                                               4DH26794
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                   8X33333X8
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The invention relates to a compound targeted to a nucleic acid molecule encoding human phosphoinostide-1-kinase (P13K) regulatory subunit 4, p150. The compound is an antisense oligonucleotide that specifically hybridises with a nucleic acid molecule encoding P13K regulatory subunit 6, p150 and inhibits expression of the polypeptide. The antisense oligonucleotide comparises at least one modified internucleoside linkage i.e. a phosphorothioate linkage, at least one modified sugar molety, preferably a 2'-0-methoxyethyl sugar moiety, or at least one modified nucleobase comprising a 5-methyloytosine. The antisense compounds are useful for modulating the expression of P13K regulatory subunit 4, p150 and for preventing or treating hyperproliferative disorders and cancer), Chedlak-Higashi syndrome, neurodegenerative disorders and metabolic disorders. These may also be used in research and diagnostics and in preventing or delaying infection or inflammation. This sequence represents an antisense oligonucleotide of the invention.
                                                                                                                                         ö
                                                                                                                                                                                                                                                                                                                                                                                                                                       Human P13K regulatory subunit 4, p150 DNA antisense oligonucleotide #8.
                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Human; phosphoinositide-3-kinase regulatory subunit 4; p150; P13K; P13 kinase; ss; antisense oligonucleotide; phosphorothioate linkage; 2'-O-methoxyethyl sugar molety; 5-methylcytosine; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; neurodegenerative disorder; metabolic disorders; inflammation; cytostatic; immunomodulator; neurodegenerative; antimicrobial;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    New antisense oligonucleotides inhibiting the expression of phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for preventing or treating diseases associated with the subunit, e.g.
                                                                                                                                         ö
represents a PI3K regulatory subunit 4, p150 DNA antisense oligonucleotide target region of the invention.
                                                                                              0.4%; Score 20; DB 1; Length 20;
100.0%; Pred. No. 1.4e+02;
iive 0; Mismatches 0; Indels
                                                           Sequence 20 BP; 9 A; 5 C; 2 G; 4 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Example 15; SEQ ID NO 18; 62pp; English.
                                                                                                                                                                           3388 AAAACTGAACTTCAGCAACT 3407
                                                                                                                                                                                                AAAACTGAACTTCAGCAACT 20
                                                                                                                                                                                                                                                                                                                  BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               hyperproliferative disorders.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        31-MAY-2002; 2002US-00160786
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               31-MAY-2002; 2002US-00160786
                                                                                                                                                                                                                                                                                                                  ADH26683 standard; DNA; 20
                                                                                                                                                                                                                                                                                                                                                                                              (first entry)
                                                                                                                Best Local Similarity 100.
Matches 20; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (ISIS-) ISIS PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Dobie KW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WPI; 2004-051923/05.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                antiinflammatory.
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p150. The compound is an antisense oligonucleotide that specifically hybridises with a nucleic acid molecule encoding PI3K regulatory subunit 4, p150 and inhibits expression of the polypeptide. The antisense oligonucleotide comprises at least one modified internucleoside linkage 1.e. a phosphorothioset linkage, at least one modified sugar moiety, preferably a 2-0-methoxyethyl sugar moiety, or at least one modified nucleobase comprising a 5-methylcytosine. The antisense compounds are useful for modulating the expression of PI3K regulatory subunit 4, p150 and for preventing or treating hyperproliferative disorders (i.e.
                                                                                                                                                                                                                                                                                                       Human PI3K regulatory subunit 4, p150 DNA antisense oligonucleotide #29.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        cancer), Chediak-Higashi syndrome, neurodegenerative disorders and metabolic disorders. These may also be used in research and diagnostics and in preventing or delaying infection or inflammation. This sequence represents an antisense oligonucleotide of the invention.
                                     Gape
                                                                                                                                                                                                                                                                                                                                     Human, phosphoinositide-3-kinase regulatory subunit 4; p150; P13k; P13 kinase; ss; antisense oligonucleotide; phosphorothioate linkage; 2'-O-methoxyethyl sugar molety; 5-methyloytosine; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; neurodegenerative disorder; metabolic disorders; inflammation; cytostatic; immunomodulator; neurodegenerative; antimicrobial;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gape
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            New antisense oligonucleotides inhibiting the expression of phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for preventing or treating diseases associated with the subunit, e.g.
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0.4%; Score 20; DB 1; Length 20;
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100.0%; Pred. No. 1.4e+02;
                                 Indele
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                  1.4e+02;
                                 Mismatches
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                    Pred. No.
                                                                       631 GATATTCATGACTTTGAATA 650
 100.0%; Pre-
                                                                                             GATATICATGACTITGAATA 1
                                                                                                                                                                                              ВР
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  hyperproliferative disorders.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                31-MAY-2002; 2002US-00160786.
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                                                                                                                                                                                             ADH26704 standard; DNA; 20
                                                                                                                                                                                                                                                                      (first entry)
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Les 20; Conservative
                                   Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Dobie KW;
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                Best Local Similarity
Matches 20; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                    antiinflammatory.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US2003225013-A1.
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 Query Match
                                                                                                                                                                              ADH26704/c
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1630 CACAATCTCTGTGGACATGA 1649

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Sequence 20 BP; 8 A; 3 C; 2 G; 7 T; 0 U; 0 Other;

Human P13K regulatory subunit 4, p150 DNA antisense oligonucleotide #72.

(first entry)

11-MAR-2004

ADH26747;

ADH26747 standard; DNA; 20 BP.

ADH26747/c

Human, phosphoinositide-3-kinase regulatory subunit 4, p150; P13K; p13 kinase; ss; antisense oligonucleotide; phosphorothioate linkage; 2'-O-methoxyethyl sugar moiety; 5-methoxyethyl sugar sorder; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; neurodegenerative disorder; metabolic disorders; inflammation; cytostatic; immunomodulator; neurodegenerative; antimicrobial;

antiinflammatory.

US2003225013-A1.

04-DEC-2003

20 CACAATCTCTGTGGACATGA 1

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The invention relates to a compound targeted to a nucleic acid molecule encoding human phosphoinositide-3-kinase (PI3K) regulatory subunit 4, p150. The compound is an antisense oligonucleotide that specifically chybridises with a nucleic acid molecule encoding PI3K regulatory subunit 4, p150 and inhibits expression of the polypeptide. The antisense oligonucleotide comprises at least one modified internucleoside linkage i.e. a phosphorothioate linkage, at least one modified sugar moiety, preferably a 2'-0-methoxyethyl sugar moiety, or at least one modified nucleobase comprising a 5-methyloytosine. The antisense compounds are nucleobase comprising the expression of PI3K regulatory subunit 4, p150 and for preventing or treating hyperproliferative disorders (i.e. cancer), chediak-Higashi syndrome, neurodegenerative disorders and entabolic disorders. These may also be used in research and diagnostics and in preventing or delaying infection or inflammation. This sequence in represents an antisense oligonucleotide of the invention.
                                                                                                                             Human PI3K regulatory subunit 4, p150 DNA antisense oligonucleotide #68.
                                                                                                                                                                   Human, phosphoinositide-3-kinase regulatory subunit 4; p150; p13K; p13 kinase; ss; antisense oligonucleotide; phosphorothioate linkage; 2'-0-methoxyethyl sugar molety; 5-methoxycosine; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; neurodegenerative disorder; metabolic disorders; inflammation; cytostatic; immunomodulator; neurodegenerative; antimicrobial;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                New antisense oligonucleotides inhibiting the expression of phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for preventing or treating diseases associated with the subunit, e.g. hyperproliferative disorders.
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100.0%; Pred. No. 1.4e+02;
ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 20 BP; 8 A; 4 C; 4 G; 4 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Example 15; SEQ ID NO 78; 62pp; English.
               BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    31-MAY-2002; 2002US-00160786.
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               ADH26743 standard; DNA; 20
                                                                                              (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (ISIS-) ISIS PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Freier SM, Dobie KW;
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                                                                                                                                                                                                                                                                                                       antiinflammatory.
                                                                                                                                                                                                                                                                                                                                                                                    US2003225013-A1
                                                                                                                                                                                                                                                                                                                                                Homo sapiens.
                                                                                                11-MAR-2004
                                                                                                                                                                                                                                                                                                                                                                                                                             04-DEC-2003
                                                        ADH26743;
ADH26743,
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New antisense oligonucleotides inhibiting the expression of phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for preventing or treating diseases associated with the subunit, e.g. hyperproliferative disorders.

31-MAY-2002; 2002US-00160786. 31-MAY-2002; 2002US-00160786.

(ISIS-) ISIS PHARM INC.

WPI; 2004-051923/05.

Freier SM,

Example 15; SEQ ID NO 82; 62pp; English.

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The invention relates to a compound targeted to a nucleic acid molecule encoding human phosphoinositide-3-kinase (PI3K) regulatory subunit 4, plso and suppound is an antisense oligonucleotide that specifically compound is an antisense oligonucleotide that specifically the plso and inhibits expression of the polypeptide. The antisense oligonucleotide comprises at least one modified internucleoside linkage oligonucleotide comprises at least one modified internucleoside linkage i.e. a phosphorothioate linkage, at least one modified sugar moiety, preferably a 2'-O-methoxyethyl sugar moiety, or at least one modified nucleobase comprising a 5-methylcytosine. The antisense compounds are nucleobase comprising the expression of PI3K regulatory subunit 4, plso and for preventing or treating hyperproliferative disorders (i.e. and for preventing or treating hyperproliferative disorders (i.e. and in preventing or delaying infection or inflammation. This sequence and in preventing or delaying infection or inflammation. This sequence
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Pred. No. 1.4e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             100.0%; Preq. ...
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Best Local Similarity
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4292 TCCATGGTATCTACTGTAGT 4311

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                                                                                                                                                                                                                                                                                                                                                                                                                                                             The invention relates to a compound targeted to a nucleic acid molecule encoding human phosphoinositide-3-kinase (P13K) regulatory subunit 4, p150. The compound is an antisense oligonuclectide that specifically hybridises with a nucleic acid molecule encoding P13K regulatory subunit 4, p150 and inhibits expression of the polypeptide. The antisense oligonuclectide comprises at least one modified internucleoside linkage i.e. a phosphorothioare linkage, at least one modified sugar moiety, or at least one modified nucleobase comprising a 5-methylotrosine. The antisense compounds are useful for modulating the expression of P13K regulatory subunit 4, p150 and for preventing or treating hyperproliferative disorders (i.e.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             cancer), Chediak-Higashi syndrome, neurodegenerative disorders and metabolic disorders. These may also be used in research and diagnostics and in preventing or delaying infection or inflammation. This sequence represents a PIJK regulatory subunit 4, p150 DNA antisense
                                               Human; phosphoinositide-3-kinase regulatory subunit 4; p150; P13K; P13 kinase; ds; antisense oligonucleotide; phosphorothioate linkage; 2'-0-methoyethyl sugar molety; 5-methylcytosine; hyperproliferative disorder; caner; Chediak-Higashi syndrome; neurodegenerative disorder; metabolic disorders; inflammation; cytostatic; immunomodulator; neurodegenerative; antimicrobial;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0; Gaps
                                                                                                                                                                                                                                                                                                                                                                       New antisense oligonucleotides inhibiting the expression of phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for preventing or treating diseases associated with the subunit, e.g.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Human PI3K regulatory subunit 4, p150 DNA target region #27.
                           Human PI3K regulatory subunit 4, p150 DNA target region #7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 20; DB 1; Length 20;
Pred. No. 1.4e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  oligonucleotide target region of the invention.
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100.0%; Pred. No. 1.
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                                                                                                                                                                                                                                                                                                                                                                                                                hyperproliferative disorders.
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(first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               20; Conservative
                                                                                                                                                                                                                                                                                        (ISIS-) ISIS PHARM INC
                                                                                                                                                                                                                                                                                                                    Freier SM, Dobie KW;
                                                                                                                                                                                                                                                                                                                                             WPI; 2004-051923/05.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity
                                                                                                                                antiinflammatory.
                                                                                                                                                                                   US2003225013-A1.
                                                                                                                                                          Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     11-MAR-2004
 11-MAR-2004
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The invention relates to a compound targeted to a nucleic acid molecule encoding human phosphoinositide-3-kinase (PI3K) regulatory subunit 4, p150 p150. The compound is an antisense oligonucleotide that specifically hybridises with a nucleic acid molecule encoding PI3K regulatory subunit 4, p150 and inhibits expression of the polypeptide. The antisense coligonucleotide comprises at least one modified internucleoside linkage i.e. a phosphorothioate linkage at least one modified sugar moiety, preferably a 2'-O-methoxyethyl sugar moiety, or at least one modified in nucleobase comprising a 5-methylcytosine. The antisense compounds are useful for modulating the expression of F13K regulatory subunit 4, p150 and for preventing or treating hyperproliferative disorders and cancer), Chediak-Higashi syndrome, neurodegenerative disorders and metabolic disorders. These may also be used in research and diagnostics and in preventing or delaying infection or infilmmmation. This sequence represents a P13K regulatory subunit 4, p150 DNA antisense
Human; phosphoinositide-3-kinase regulatory subunit 4; p150; P13K; P13 Kinase; ds; antisense oligonucledcide; phosphorothioate linkage; 2.-0-methoxyethy! augar moiety; 5-methyloytosine; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; neurodegenerative disorder; metabolic disorders; inflammation; cytostatic; immunomodulator; neurodegenerative; antimicrobial; antimicrobial; antimicrobial;
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100.0%; Pred. No. 1.4e+02;
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The invention relates to a compound targeted to a nucleic acid molecule encoding human phosphoinositide-3-kinase (PI3K) regulatory subunit 4, p150. The compound is an antisense oligonucleotide that specifically hydridises with a nucleic acid molecule encoding PI3K regulatory subunit 4, p150 and inhibits expression of the polypeptide. The antisense oligonucleotide comprises at least one modified internucleoside linkage 1.e. a phosphorothicate linkage, at least one modified sugar moiety, preferably a 2'-0-methoxyethyl sugar moiety, or at least one modified nucleobase comprising a 5-methylytosine. The antisense compounds are useful for modulating the expression of P13K regulatory subunit 4, p150 and for preventing or treating hyperproliferative disorders and cancer), chediak-Higashi syndrome, neurodegenerative disorders and metabolic disorders. These may also be used in research and diagnostics metabolic disorders. These may also be used in research and diagnostics and in preventing or delaying infection or inflammation. This sequence represents a P13K regulatory subunit 4, p150 DNA antisense
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neurodegenerative disorder; metabolic disorders; inflammation; cytostatic; immunomodulator; neurodegenerative; antimicrobial; antinflammatory.
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                                                                                              Homo sapiens
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The invention relates to a compound targeted to a nucleic acid molecule encoding human phosphoinositide-3-kinase (PI3K) regulatory subunit 4, p150. The compound is an antisense oligonucleotide that specifically captures and the antisense oligonucleotide that specifically to the compound is an antisense oligonucleotide comprises at least one modified. The antisense oligonucleotide comprises at least one modified internucleoside linkage i.e. a phosphorothioate linkage, at least one modified sugar moiety, preferably a 2'-O-methoxyethyl sugar moiety, or at least one modified nucleobase comprising a 5-methylcytosine. The antisense compounds are uncleobase comprising the expression of F13K regulatory subunit 4, p150 and for preventing or treating hyperproliferative disorders and cancer). Chediak-Higashi syndrome, neurodegenerative disorders and metabolic disorders. These may also be used in research and diagnostics and in preventing or delaying infection or inflammation. This sequence represents a P13K regulatory subunit 4, p150 DNA antisense
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                                                                                                                                                                                                                                                                                                                                                 hyperproliferative disorders.
                                                                                                       31-MAY-2002; 2002US-00160786
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Homo sapiens.
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                                                                                                                                                New antisense oligonucleotides inhibiting the expression of phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for preventing or treating diseases associated with the subunit, e.g.
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100.0%; Pred. No. 1.4e+02;
ive 0; Mismatches 0; Indels
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                                                                                                                                                                                      hyperproliferative disorders.
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                         31-MAY-2002; 2002US-00160786
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                                                                        (ISIS-) ISIS PHARM INC
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04-DEC-2003
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    cancer), Chediak-Higashi syndrome, neurodegenerative disorders and metabolic disorders. These may also be used in research and diagnostics and in preventing or delaying infection or inflammation. This sequence
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                                                                                                                                                                                                               New antisense oligonucleotides inhibiting the expression of phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for preventing or treating diseases associated with the subunit, e.g.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     represents an antisense oligonucleotide of the invention.
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1.4e+02;
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100.0%; Pred. No. 1.4
ive 0; Mismatches
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                                                                                                                                                                                                                                                                                                                        hyperproliferative disorders.
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Best Local Similarity 100.0
Matches 20, Conservative
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(ISIS-) ISIS PHARM INC.
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                                                                       Freier SM, Dobie KW;
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                                                                                                                                           WPI; 2004-051923/05.
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The invention relates to a compound targeted to a nucleic acid molecule
hyperproliferative disorders.
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                                                                                                                                                                                                                                                                   The invention relates to a compound targeted to a nucleic acid molecule encoding human phosphoinositide-3-kinase (PI3K) regulatory subunit 4, p150. The compound is an antisense oligonucleotide that specifically hybridises with a nucleic acid molecule encoding PI3K regulatory subunit hybridises with a nucleic acid molecule encoding PI3K regulatory subunit hybridises with a nucleic acid molecule encoding p13K regulatory subunit e.e. a phosphorothioate linkage, at least one modified internucleoside linkage i.e. a phosphorothioate linkage, at least one modified supar moiety, preferably a 2'-O-methoxyethyl sugar moiety, or at least one modified nucleobase comprising a 5-methylcytosine. The antisense compounds are useful for modulating the expression of PI3K regulatory subunit 4, p150 and for preventing or treating hyperproliferative disorders (i.e.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Human PI3K regulatory subunit 4, p150 DNA antisense oligonucleotide #52.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       cancer), Chediak-Higashi syndrome, neurodegenerative disorders and metabolic disorders. These may also be used in research and diagnostics and in preventing or delaying infection or inflammation. This sequence represents an antisense oligonucleotide of the invention.
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                                                                        New antisense oligonucleotides inhibiting the expression of phosphoinositide 3-kinase, regulatory subunit 4, p150, useful for preventing or treating diseases associated with the subunit, e.g.
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Pred. No. 1.4e+02;
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                                                                                                                                                                                                                               Example 15; SEQ ID NO 58; 62pp; English.
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                                                                                                                                                                           hyperproliferative disorders.
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Matches 20; Conservative
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                                 WPI; 2004-051923/05
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The invention relates to a compound targeted to a nucleic acid molecule cenceding human phosphoinositide-3-kinase (PI3K) regulatory subunit 4, encoding human phosphoinositide-3-kinase (PI3K) regulatory subunit 4, pls0. The compound is an antisense oligonucleotide that specifically cc hybridises with a nucleic acid molecule encoding PI3K regulatory subunit (2, pls0 and inhibite expression of the polypeptide. The antisense coligonucleotide comprises at least one modified internucleoside linkage of preferably a 2'-0-methoxychiy sugar moiety, or at least one modified crossing a 5-methylcytosine. The antisense compounds are nucleobase comprising a 5-methylcytosine. The antisense compounds are concer), chediak-Higashi syndrome, neurodegenerative disorders and cancer), chediak-Higashi syndrome, neurodegenerative disorders and modified modified disorders. These may also be used in research and diagnostics and in preventing or delaying infection or inflammation. This sequence represents an antisense oligonucleotide of the invention.
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Pred. No. 1.4e+02;
0; Mismatches 0; Indels
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Example 15; SEQ ID NO 62; 62pp; English.
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Matches 20; Conservative
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encoding human phosphoinositide-3-kinase (PI3K) regulatory subunit 4, pl50. The compound is an antisense oligonucleotide that specifically hybridises with a nucleic acid molecule encoding PI3K regulatory subunit 4, pl50 and inhibits expression of the polypeptide. The antisense oligonucleotide comprises at least one modified internucleoside linkage i.e. a phosphorothioate linkage, at least one modified sugar moiety, preferably a 2'-O-methoxyethyl sugar moiety, or at least one modified nucleobase comprising a 5-methyloytosine. The antisense compounds are useful for modulating the expression of PI3K regulatory subunit 4, pl50 and for preventing or treating hyperproliferative disorders (i.e. cancer), Chediak-Higashi syndrome, neurodegenerative disorders and metabolic disorders. These may also be used in research and diagnostics and in preventing or delaying infection or inflammation. This sequence
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Pred. No. 1.4e+02;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local 8
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Human PI3K regulatory subunit 4, p150 DNA antisense oligonucleotide #69.
i.e. a phosphorothioate linkage, at least one modified sugar moiety, preferably a 2'-O-methoxyethyl sugar molety, or at least one modified uncleobase comprising a 5-methylcytosine. The antisense compounds are useful for modulating the expression of PI3K regulatory subunit 4, p150 and for preventing or treating hyperproliferative disorders (i.e. cancer), Chediak-Higashi syndrome, neurodegenerative disorders and metabolic disorders. These may also be used in research and diagnostics and in preventing or delaying infection or inflammation. This sequence represents an antisense oligonucleotide of the invention.
                                                                                                                                                                                                                                                                                                 Gapa
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human; phosphoinositide-3-kinase regulatory subunit 4; p150; P13K; P13 kinase; ss; antisense oligonucleotide; phosphorothioate linkage; 2'-O-methoxyethyl sugar moiety; 5-methylcytosine; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; neurodegenerative disorder; metabolic disorders; inflammation; cytostatic; immunomodulator; neurodegenerative; antimicrobial;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              New antisense oligonucleotides inhibiting the expression of phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for preventing or treating diseases associated with the subunit, e.g.
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                                                                                                                                                                                                                                                        0.4%; Score 20; DB 1; Length 20;
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                                                                                                                                                                                                             Sequence 20 BP; 7 A; 2 C; 2 G; 9 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                            1.4e+02;
                                                                                                                                                                                                                                                                            ; Pred. No. 1.4
0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Example 15; SEQ ID NO 79; 62pp; English.
                                                                                                                                                                                                                                                                                                                                        3967 ACTITAAAGCAIGAITIAAA 3986
                                                                                                                                                                                                                                                                                                                                                              ACTITAAAGCATGATITAAA 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADH26744 standard; DNA; 20 BP
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             hyperproliferative disorders.
                                                                                                                                                                                                                                                                            100.08;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              31-MAY-2002; 2002US-00160786
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                                                                                                                                                                                                                                                                                               20; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WPI; 2004-051923/05.
                                                                                                                                                                                                                                                                            Best Local Similarity
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Query Match
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                                                                                                                                                                     RESULT 73
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              metabolic disorders. These may also be used in research and diagnostics and in preventing or delaying infection or inflammation. This sequence represents an antisense oligonucleotide of the invention.
                                                                                                                            Gaps
                                                                                                                                                                                                                                                                                                                                                                  Human; phosphoinositide-3-kinase regulatory subunit 4; p150; P13K; P13 kinase; ds; antisense oligonucleotide; phosphorothioate linkage; 2'-0-methoxyethyl sugar moiety; 5-methylcytosine; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; neurodegenerative disorder; metabolic disorders; inflammation;
 neurodegenerative disorders and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      New antisense oligonucleotides inhibiting the expression of phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for preventing or treating diseases associated with the subunit, e.g. hyperproliferative disorders.
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                                                                                                                                                                                                                                                                                                                                                                                                                                     cytostatic; immunomodulator; neurodegenerative; antimicrobial; antiinflammatory.
                                                                                                                                                                                                                                                                                                                                         Human PI3K regulatory subunit 4, p150 DNA target region #15.
                                                                                             0.4%; Score 20; DB 1; Length 20;
100.0%; Pred. No. 1.4e+02;
ive 0; Mismatches 0; Indels
                                                                    Sequence 20 BP; 4 A; 5 C; 5 G; 6 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Example 15; SEQ ID NO 103; 62pp; English.
Chediak-Higashi syndrome,
                                                                                                                                                        4309 AGTCCTGCAGATGGAAATCC 4328
                                                                                                                                                                        ADH26768 standard; DNA; 20 BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      31-MAY-2002; 2002US-00160786.
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                                                                                                                                                                                                                                                                                                             (first entry)
                                                                                                                             20; Conservative
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                                                                                                  Query Match
Best Local Similarity
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ADH26768
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The invention relates to a compound targeted to a nucleic acid molecule encoding human phosphoinositide-3-kinase (PI3K) regulatory subunit 4, p150 p150. The compound is an antisense oligonucleotide that specifically hybridises with a nucleic acid molecule encoding PI3K regulatory subunit 4, p150 and inhibits expression of the polypeptide. The antisense oligonucleotide comprises at least one modified internucleoside linkage i.e. a phosphorothioate linkage, at least one modified sugar moiety, preferably a 2'-O-methoxyethyl sugar moiety, or at least one modified nucleobase comprising a 5-methylcytosine. The antisense compounds are useful for modulating the expression of PI3K regulatory subunit 4, p150 and for preventing or treating hyperproliferative disorders in entabolic disorders. These may also be used in research and diagnostics and in preventing or delaying infection or inflammation. This sequence represents a P13K regulatory subunit 4, p150 DNA antisense
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                                                                                                                                    Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human; phosphoinositide-3-kinase regulatory subunit 4; p150; P11K; P13 kinase; ds; antisense oligonucleotide; phosphorothioate linkage; 2'-0-methoxyethyl sugar moiety; 5-methylcytosine; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; neurodegenerative disorder; metabolic disorders; inflammation; cytostatic; immunomodulator; neurodegenerative; antimicrobial;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     New antisense oligonucleotides inhibiting the expression of phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for preventing or treating diseases associated with the subunit, e.g.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Human PI3K regulatory subunit 4, p150 DNA target region #26.
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                                                                Length 20;
                                                                                                                                    Indels
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Sequence 20 BP; 7 A; 6 C; 2 G; 5 T; 0 U; 0 Other;
                                                                                                        1.4e+02;
                                                                DB 1;
                                                                                      100.0%; Prec.
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                                                                0.4%; Score 20;
100.0%; Pred. No.
                                                                                                                                                                                                         1083 CACTTATCTTCCAGAGACA 1102
                                                                                                                                                                                                                                                                         CACTTATCTTCCAGAGACA 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADH26779 standard; DNA; 20 BP
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      31-MAY-2002; 2002US-00160786.
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                                                                                                                                        Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (ISIS-) ISIS PHARM INC.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WPI; 2004-051923/05.
                                                                Query Match
Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Homo sapiens
                                                                                                                                        20;
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DB 1; Length 20;

0.4%; Score 20;

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The invention relates to a compound targeted to a nucleic acid molecule encoding human phosphoinositide-3-kinase (PI3K) regulatory subunit 4, p150 The compound is an antisense oligonucleotide that specifically hybridises with a nucleic acid molecule encoding PI3K regulatory subunit 4, p150 and inhibits expression of the polypeptide. The antisense oligonucleotide comprises at least one modified internucleoside linkage i.e. a phosphorothioate linkage, at least one modified sugar moiety, preferably a 2'-O-methoxyethyl sugar moiety, or at least one modified nucleobase comprising the expression of P13K regulatory subunit 4, p150 uncleobase comprising a 5-methylcytosine. The antisense compounds are useful for modilating the expression of P13K regulatory subunit 4, p150 cancer), Chediak-Higashi syndrome, neurodegenerative disorders and metabolic disorders. These may also be used in research and diagnostics and in preventing or delaying infection or inflammation. This sequence represents a P13K regulatory subunit 4, p150 DNA antisense
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                      Gaps
                                                                                                                                                                                                                                                                                                                                                  Human; phosphoinositide-3-kinase regulatory subunit 4; p150; P118; P13 kinase; ds; antisense oligonucleotide; phosphorothioate linkage; 2'-O-methoxyethyl sugar moiety; 5-methylcytosine; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; neurodegenerative disorder; metabolic disorders; inflammation; cytostatic; immunomodulator; neurodegenerative; antimicrobial;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        New antisense oligonucleotides inhibiting the expression of phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for preventing or treating diseases associated with the subunit, e.g. hyperproliferative disorders.
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                                                                                                                                                                                                                                                                                                                 Human PI3K regulatory subunit 4, p150 DNA target region #38.
                    0; Indels
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100.0%; Pred. No. 1.4e+02; ive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Example 15; SEQ ID NO 126; 62pp; English.
                                                           2131 CCAAATGGAAATTATGACAC 2150
                                                                               CCAAATGGAAATTATGACAC 20
                                                                                                                                                                                             ADH26791 standard; DNA; 20 BP
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                                                                                                                                                                                                                                                                            (first entry)
Best Local Similarity 100
Matches 20; Conservative
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The invention relates to a compound targeted to a nucleic acid molecule encoding human phosphoinositide-3-kinase (PI3K) regulatory subunit 4, p150. The compound is an antisense oligonuclectide that specifically hybridises with a nucleic acid molecule encoding PI3K regulatory subunit 4, p150 and inhibits expression of the polypeptide. The antisense coligonuclectide comprises at least one modified internucleoside linkage i.e. a phosphorothioate linkage, at least one modified sugar moiety, preferably a 2'-O-methoxyethyl sugar moiety, or at least one modified nucleobase comprising a 5-methylcytosine. The antisense compounds are useful for modulating the expression of PI3K regulatory subunit 4, p150 and for preventing or treating hyperproliferative disorders and cancer), Chediak-Higashi syndrome, neurodegenerative disorders and metabolic disorders. These may also be used in research and diagnostics and in preventing or delaying infection or inflammation. This sequence represents a PI3K regulatory subunit 4, p150 DNA antisense
                                                                                                                                                                                                                                                                                  Human, phosphoinositide-3-kinase regulatory subunit 4; p150; P13K, P13 kinase; ds; antisense oligonucleotide; phosphorothioate linkage; 2'-O-methoxyethyl sugar moiety; 5-methylcytosine; hyperproliferative disorder; cancer; Chedlak-Higashi syndrome; neurodegenerative disorder; metabolic disorder; inflammation; cytostatic; immunomodulator; neurodegenerative; antimicrobial;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           New antisense oligonucleotides inhibiting the expression of phosphoinositide-3-Kinase, regulatory subunit 4, p150, useful for preventing or treating diseases associated with the subunit, e.g. hyperproliferative disorders.
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                                                                                                                                                                                                                                              Human PI3K regulatory subunit 4, p150 DNA target region #40.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  3341 GTAGTACAATCTTACCATCC 3360
1 TCTGCTGGCATTTGTGTCCC 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 GTAGTACATCTTACCATCC 20
                                                                                                                          ADH26793 standard; DNA; 20 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   31-MAY-2002; 2002US-00160786.
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20; Conservative

Local Similarity

Query Match Matches

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Gaps

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0.4%; Score 20; DB 1; Length 20; 100.0%; Pred. No. 1.4e+02; ive 0; Mismatches 0; Indela

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Human PI3K regulatory subunit 4, p150 DNA antisense oligonucleotide #67.
                                                                               Human; phosphoinositide-3-kinase regulatory subunit 4; p150; P13K; P13 kinase; ss; antisense oligonucleotide; phosphorothioate linkage; 2'-O-methoxyethyl sugar moiety; 5-metholychosine; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; neurodegenerative disorder; metabolic disorders; inflammation; cytotatic; immunomodulator; neurodegenerative; antimicrobial;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    New antisense oligonucleotides inhibiting the expression of phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for preventing or treating diseases associated with the subunit, e.g. hyperproliferative disorders.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Example 15; SEQ ID NO 77; 62pp; English.
                                                                                                                                                                                                                                                                                                                                                               31-MAY-2002; 2002US-00160786.
                                                                                                                                                                                                                                                                                                                                 31-MAY-2002; 2002US-00160786
                            11-MAR-2004 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                 (ISIS-) ISIS PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WPI; 2004-051923/05.
                                                                                                                                                                                               antiinflammatory.
                                                                                                                                                                                                                                                                    US2003225013-A1.
                                                                                                                                                                                                                                   Homo sapiens.
                                                                                                                                                                                                                                                                                                 04-DEC-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                    Freier SM,
ADH26742;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     The invention relates to a compound targeted to a mucleic acid molecule encoding human phosphoinositide-3-kinase (PI3K) regulatory subunit 4, encoding human phosphoinositide-3-kinase (PI3K) regulatory subunit 4, p150. The compound is an antisense oligonucleotide that specifically chyclidises with a mucleic acid molecule encoding PI3K regulatory subunit 4, p150 and inhibits expression of the polypeptide. The antisense conjectule comprises at least one modified internucleoside linkage i.e. a phosphorothibate linkage, at least one modified sugar moiety, or at least one modified comprising a 5-methyloytosine. The antisense compounds are nucleobase comprising the expression of P13K regulatory subunit 4, p150 and for preventing or treating hyperproliferative disorders and cancer). Chediak-Higashi syndrome, neurodegenerative disorders and metabolic disorders. These may also be used in research and diagnostics metabolic disorders. These may also be used in research and diagnostics metabolic disorders and represents a P13K regulatory subunit 4, p150 DNA antisense conjugence region of the invention.
                                                                                                                                                                 Human; phosphoinositide-3-kinase regulatory subunit 4; p150; p13K; p13 kinase; ds; antisense oligonucleotide; phosphorothioate linkage; 2'-O-methoxyethyl sugar moiety; 5-methoxyetosine; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; neurodegenerative disorder; metabolic disorders; inflammation; cytostatic; immunomodulator; neurodegenerative; antimicrobial;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      New antisense oligonucleotides inhibiting the expression of phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for preventing or treating diseases associated with the subunit, e.g. hyperproliferative disorders.
                                                                                                                                     Human PI3K regulatory subunit 4, p150 DNA target region #45.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match 0.4%; Score 20; DB 1; Length 20; Best Local Similarity 100.0%; Pred. No. 1.48+02; Matches 20; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Example 15; SEQ ID NO 133; 62pp; English.
                                          ADH26798 standard; DNA; 20 BP.
                                                                                                                                                                                                                                                                                                                                                                                                               31-MAY-2002; 2002US-00160786.
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                                                                                                              (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (ISIS-) ISIS PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Freier SM, Dobie KW;
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                                                                                                                                                                                                                                                                                   antiinflammatory.
                                                                                                                                                                                                                                                                                                                                                  US2003225013-A1
                                                                                                                                                                                                                                                                                                                    Homo sapiens.
                                                                                                            11-MAR-2004
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                                                                              ADH26798;
                              ADH26798
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Dobie KW;

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The invention relates to a compound targeted to a nucleic acid molecule encoding human phosphoinositide-3-kinase (PI3K) regulatory subunit 4, encoding human phosphoinositide-3-kinase (PI3K) regulatory subunit 4, p150. The compound is an antisense oligonucleotide that specifically typic and inhibits expression of the polypeptide. The antisense 4, p150 and inhibits expression of the polypeptide. The antisense oligonucleotide comprises at least one modified internucleoside linkage oligonucleotide comprises at least one modified sugar molety, i.e. a phosphorothioate linkage, at least one modified sugar molety, preferably a 2'-0-methoxyethyl sugar molety, or at least one modified nucleobase comprising the expression of p13K regulatory subunit 4, p150 and for preventing or treating byperproliferative disorders (i.e. and for preventing or treating byperproliferative disorders (i.e. and in preventing or delaying infection or inflammation. This sequence and in preventing or delaying infection or inflammation. This sequence
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 20 BP; 6 A; 2 C; 7 G; 5 T; 0 U; 0 Other;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              4258 CCACTITCIGAATTACAGCC 4277
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         20 CCACTTTCTGAATTACAGCC 1
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ADH26742 standard; DNA; 20 BP.

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human PI3K regulatory subunit 4, p150 DNA antisense oligonucleotide #17.
          Human; phosphoinositide-3-kinase regulatory subunit 4; p150; P13K; P13 kinase; ds; antisense oligonucleotide; phosphorothioate linkage; 2'-0-methoxyethyl sugar moiety; 5-methylcytosine; hyperproliferative disorder; cancer; Chedlak-Higashi syndrome; neurodegenerative disorder; metabolic disorders; inflammation; cytostatic; immunomodulator; neurodegenerative; antimicrobial;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gape
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Human; phosphoinositide-3-kinase regulatory subunit 4; p150; PI3K; P13 kinase; ss; antisense oligonucleotide; phosphorothioate linkage; 2'-0-methoxyethyl sugar moiety; 5-methylcytosine;
                                                                                                                                                                                                                                                                                                                              New antisense oligonucleotides inhibiting the expression of phosphoinositide-1-kinase, regulatory subunit 4, p150, useful for preventing or treating diseases associated with the subunit, e.g. hyperproliferative disorders.
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                                                                                                                                                                                                                                                                                                                                                                                               Example 15; SEQ ID NO 96; 62pp; English.
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                                                                                                                                                                                                                        31-MAY-2002; 2002US-00160786,
                                                                                                                                                                                                                                                   (ISIS-) ISIS PHARM INC
                                                                                                                                                                                                                                                                             Freier SM, Dobie KW;
                                                                                                                                                                                                                                                                                                      WPI; 2004-051923/05.
                                                                                        antiinflammatory.
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                                                                                                                  Homo sapiens
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The invention relates to a compound targeted to a nucleic acid molecule encoding human phosphoinositide-3-kinase (PI3K) regulatory subunit 4, p150. The compound is an antisense oligonucleotide that specifically hybridises with a nucleic acid molecule encoding PI3K regulatory subunit 4, p150 and inhibits expression of the polypeptide. The antisense conjourcleotide comprises at least one modified internucleoside linkage i.e. a phosphorothioate linkage, at least one modified sugar moiety, preferably a 2'-O-methoxyethyl sugar moiety, or at least one modified in nucleobase comprising a 5-methylcytosine. The antisense compounds are useful for modulating the expression of PI3K regulatory subunit 4, p150 and for preventing or treating hyperproliferative disorders and cancer), Chediak-Higashi syndrome, neurodegenerative disorders and cancer), chediak-Higashi syndrome, neurodegenerative disorders and in preventing or delaying infection or infilammation. This sequence represents an antisense oligonucleotide of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human PI3K regulatory subunit 4, p150 DNA antisense oligonucleotide #28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gapa
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         New antisense oligonucleotides inhibiting the expression of phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for preventing or treating diseases associated with the subunit, e.g. hyperproliferative disorders.
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hyperproliferative disorder; cancer; Chediak-Higashi syndrome; neurodegenerative disorder; metabolic disorders; inflammation; cytostatic; immunomodulator; neurodegenerative; antimicrobial;
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nes 20; Conservative
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                                                                                                                    antiinflammatory.
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31-MAY-2002; 2002US-00160786.

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The invention relates to a compound targeted to a nucleic acid molecule encoding human phosphoinositide-3-kinase (PI3K) regulatory subunit 4, p150. The compound is an antisense oligonucleotide that specifically the inventions with a nucleic acid molecule encoding PI3K regulatory subunit 4, p150 and inhibits expression of the polypeptide. The antisense compoundes at least one modified internucleoside linkage i.e. a phosphorothioate linkage, at least one modified sugar moiety, preferably a 2'-0-methoxyethyl sugar moiety, or at least one modified succession comprising a 5-methyloytosine. The antisense compounds are uncleobase comprising the expression of PI3K regulatory subunit 4, p150 and for preventing or treating hyperproliferative disorders (i.e. and for preventing or treating hyperproliferative disorders and metabolic disorders. These may also be used in research and diagnostics and in preventing or delaying infection or inflammation. This sequence in represents an antisense oligonucleotide of the invention.
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                                                                                                                                                                                                                                                                                      New antisense oligonucleotides inhibiting the expression of phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for preventing or treating diseases associated with the subunit, e.g. hyperproliferative disorders.
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                                                                                                                                                                                                                                                                                                                                                                                       Example 15; SEQ ID NO 38; 62pp; English.
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                                                                                                      31-MAY-2002; 2002US-00160786
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Best Local Similarity 100.0
Matches 20; Conservative
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                                                                                                                                                                                                                         Freier SM, Dobie KW;
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Homo sapiens.
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The invention relates to a compound targeted to a nucleic acid molecule encoding human phosphoinositide-3-kinase (PI3K) regulatory subunit 4, p150. The compound is an antisense oligonucleotide that specifically compound is an antisense oligonucleotide that specifically hybridises with a nucleic acid molecule encoding PI3K regulatory subunit 4, p150 and inhibits expression of the polypeptide. The antisense oligonucleotide comprises at least one modified internucleoside linkage i.e. a phosphorothioate linkage, at least one modified sugar moiety, preferably a 2'-0-methoxyethyl sugar moiety, or at least one modified nucleobase comprising a 5-methylcytosine. The antisense compounds are nucleobase comprising the expression of PI3K regulatory subunit 4, p150 and for preventing or treating hyperproliferative disorders (i.e. and for preventing or treating hyperproliferative disorders and matisense oligonucleotide of the invention. This sequence and in preventing or delaying infection or inflammation. This sequence
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human PI3K regulatory subunit 4, p150 DNA antisense oligonucleotide #41.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human; phosphoinositide-3-kinase regulatory subunit 4; p150; p13K; p13 kinase; ss; antisense oligonucleotide; phosphorothioate linkage; 2'-O-methoxyethyl sugar moiety; 5-metholycycosine; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; neurodegenerative disorder; metabolic disorders; inflammation; cytostatic; immunomodulator; neurodegenerative; antimicrobial;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
                                                                                                                                                                    New antisense oligonucleotides inhibiting the expression of phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for preventing or treating diseases associated with the subunit, e.g. hyperproliferative disorders.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0.4%; Score 20; DB 1; Length 20;
100.0%; Pred. No. 1.4e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 20 BP; 8 A; 2 C; 6 G; 4 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                100.0%; Pred. ...
                                                                                                                                                                                                                                                                  Example 15; SEQ ID NO 50; 62pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          2555 TCCTGTGTCATCCCAATTTA 2574
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                20 TCCTGTGTCATCCCAATTTA 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                BP.
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                                          31-MAY-2002; 2002US-00160786.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADH26716 standard; DNA; 20
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                                                                            (ISIS-) ISIS PHARM INC.
                                                                                                               Freier SM, Dobie KW;
                                                                                                                                                WPI; 2004-051923/05.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                antiinflammatory.
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                                                                                                                                                     The invention relates to a compound targeted to a nucleic acid molecule encoding human phosphoinositide-3-kinase (P13K) regulatory subunit 4, p150. The compound is an antisense oligonucleotide that specifically hybridises with a nucleic acid molecule encoding P13K regulatory subunit 6, p150 and inhibits expression of the polypeptide. The antisense coligonucleotide comparises at least one modified internucleoside linkage i.e. a phosphorothioate linkage, at least one modified sugar modety, preferably a 2'-0-methoxyethyl sugar modety, or at least one modified sugar modified incleobase comprising a 5-methylcytosine. The antisense compounds are useful for modulating the expression of P13K regulatory subunit 4, p150 and for preventing or treating hyperproliferative disorders and cancer), Chediak-Higashi syndrome, neurodegenerative disorders and metabolic disorders. These may also be used in research and diagnostics and in preventing or delaying infection or inflammation. This sequence represents an antisense oligonucleotide of the invention.
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                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human; phosphoinositide-3-kinase regulatory subunit 4; p150; P13K; P13 kinase; ds; antisense oligonucleotide; phosphorothioate linkage; 2'-O-methoxyethyl sugar moiety; 5-methylcytosine; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; neurodegenerative disorder; metabolic disorders; inflammation; cytostatic; immunomodulator; neurodegenerative; antimicrobial;
                                                                      New antisense oligonucleotides inhibiting the expression of phosphoinositide-1-kinase, regulatory subunit 4, p150, useful for preventing or treating diseases associated with the subunit, e.g. hyperproliferative disorders.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Human PI3K regulatory subunit 4, p150 DNA target region #18.
                                                                                                                                                                                                                                                                                                                                                                                  Score 20; DB 1; Length 20;
Pred. No. 1.4e+02;
                                                                                                                                                                                                                                                                                                                                                                                                          0; Indels
                                                                                                                                                                                                                                                                                                                                                           Sequence 20 BP; 6 A; 7 C; 4 G; 3 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                          0.4%; Scor.
100.0%; Pred. No. 1...
                                                                                                                                  Example 15; SEQ ID NO 51; 62pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                   2587 GGTGCCGTGGGATTTATCAC 2606
                                                                                                                                                                                                                                                                                                                                                                                                                                               GGTGCCGTGGGATTTATCAC 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADH26771 standard; DNA; 20 BP
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (first entry)
                                                                                                                                                                                                                                                                                                                                                                                               Local Similarity 100.
(ISIS-) ISIS PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (ISIS-) ISIS PHARM INC
                        Dobie KW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Freier SM, Dobie KW;
                                                WPI; 2004-051923/05.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     cytostatic; immu
antiinflammatory
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                        Freier SM,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADH26771;
                                                                                                                                                                                                                                                                                                                                                                                   Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                          20
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                                                                                                                                                                                                                                                                                                                                                                                                            Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT 83
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADH26771
ID ADH
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The invention relates to a compound targeted to a nucleic acid molecule encoding human phosphoinositide-3-kinase (PI3K) regulatory subunit 4, p150. The compound is an antisense oligonucleotide that specifically hybridises with a nucleic acid molecule encoding PI3K regulatory subunit 6, p150 and inhibits expression of the polypeptide. The antisense coligonucleotide comprises at least one modified internucleoside linkage i.e. a phosphorothioate linkage at least one modified sugar molecy, preferably a 2'-O-methoxyethyl sugar molety, or at least one modified in nucleobase comprising a 5-methylcytosine. The antisense compounds are useful for modulating the expression of PI3K regulatory subunit 4, p150 and for preventing or treating hyperproliferative disorders and cancer), Chediak-Higashi syndrome, neurodegenerative disorders and in preventing or delaying infection or inflammation. This sequence represents a P13K regulatory subunit 4, p150 DNA antisense
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
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New antisense oligonucleotides inhibiting the expression of phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for preventing or treating diseases associated with the subunit, e.g.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             New antisense oligonucleotides inhibiting the expression of phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for preventing or treating diseases associated with the subunit, e.g.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ö
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0.4%; Score 20; DB 1; Length 20;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 20 BP; 8 A; 3 C; 4 G; 5 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1.4e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   oligonucleotide target region of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                100.0%; Pred. No. 1.4 tive 0; Mismatches
                                                                                                                                                                                                     Example 15; SEQ ID NO 106; 62pp; English.
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                                                                                                                   hyperproliferative disorders.
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Matches 20, Conserv
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The invention relates to a compound targeted to a nucleic acid molecule encoding human phosphoinositide-3-kinase (PI3K) regulatory subunit 4, p150 The compound is an antisense oligonucleotide that specifically hybridises with a nucleic acid molecule encoding PI3K regulatory subunit 4, p150 and inhibits expression of the polypeptide. The antisense oligonucleotide comprises at least one modified internucleoside linkage i.e. a phosphorothioate linkage, at least one modified sugar moiety, preferably a 2'-0-methoxyethyl sugar moiety, or at least one modified nucleobase comprising the expression of PI3K regulatory subunit 4, p150 and for preventing or treating hyperproliferative disorders and and for preventing or treating hyperproliferative disorders and metabolic disorders. These may also be used in research and diagnostics metabolic disorders. These may also be used in research and diagnostics metabolic disorders and in preventing or delaying infection or inflammation. This sequence represents a PI3K regulatory subunit 4, p150 DNA antisense
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human; phosphoinositide-3-Kinase regulatory subunit 4; p150; P13K; p13 kinase; ss; antisense oligonucleotide; phosphorothioate linkage; 2'-0-methoxyethyl sugar moiety; 5-metholyCosine; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; neurodegenerative disorder; metabolic disorders; inflammation; cytostatic; immunomodulator; neurodegenerative; antimicrobial;
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                                                                                                                                                                                                                                                                                                                                                                                   Sequence 20 BP; 7 A; 3 C; 6 G; 4 T; 0 U; 0 Other;
                                  Example 15; SEQ ID NO 130; 62pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             3431 GCAATGCTGAGAGAATAGCT 3450
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADH26690/c
ID ADH26690 standard; DNA; 20 BP.
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hyperproliferative disorders.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (first entry)
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Matches 20; Conservative
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Example 15; SEQ ID NO 25; 62pp; English.

Gaps

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The invention relates to a compound targeted to a nucleic acid molecule encoding human phosphoinositide-3-kinase (PI3K) regulatory subunit 4, p150. The compound is an antisense oligonucleotide that specifically the compound is an antisense oligonucleotide that specifically historialses with a nucleic acid molecule encoding PI3K regulatory subunit 4, p150 and inhibits expression of the polypeptide. The antisense oligonucleotide comprises at least one modified internucleoside linkage oligonucleotide comprises at least one modified sugar moiety, i.e. a phosphorothioate linkage, at least one modified sugar moiety, preferably a 2'-O-methoxyethyl sugar moiety, or at least one modified nucleobase comprising a 5-methylcytosine. The antisense compounds are nucleobase comprising the expression of PI3K regulatory subunit 4, p150 and for preventing or treating hyperproliferative disorders (i.e. and for preventing or treating hyperproliferative disorders and cand in preventing or delaying infection or inflammation. This sequence and in preventing or aligonucleotide of the invention.
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                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
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1.4e+02;
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                                                                                                                                                                                                                                                                                                                                  Sequence 20 BP; 4 A; 5 C; 5 G; 6 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                           100.0%; Pred. ...
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.00.0%; Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                               982 GCACACAAATCTGGAGTTCG 1001
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nes 20; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human PI3K regulatory subunit 4, p150 DNA antisense oligonucleotide #35.
                i.e. a phosphorothicate linkage, at least one modified sugar molety, preferably a 2'-O-methoxyethyl sugar molety, or at least one modified nucleobase comprising a 5-methylcytosine. The antisense compounds are useful for modulating the expression of Pilk regulatory subunit 4, piso and for preventing or treating hyperproliferative disorders (i.e. cancer), Chediak-Higashi syndrome, neurodegenerative disorders and metabolic disorders. These may also be used in research and diagnostics and in preventing or delaying infection or inflammation. This sequence represents an antisense oligonucleotide of the invention.
  oligonucleotide comprises at least one modified internucleoside linkage
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human; phosphoinositide-3-kinase regulatory subunit 4; p150; p13K; p13 kinase; ss; antisense oligonucleotide; phosphorothioate linkage; 2'-O-methoxyethyl sugar molety; 5-methylcytosine; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; neurodegenerative disorder; metabolic disorders; inflammation; cytostatic; immunomodulator; neurodegenerative; antimicrobial;
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                                                                                                                                                                                                                                                         Score 20; DB 1; Length 20;
Pred. No. 1.4e+02;
                                                                                                                                                                                                                                                                                                 0; Indels
                                                                                                                                                                                                                      Sequence 20 BP; 5 A; 3 C; 5 G; 7 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                        100.0%; Preα. ....
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                                                                                                                                                                                                                                                                                                                                           2005 CTAGCCTATGCTGAAACAT 2024
                                                                                                                                                                                                                                                                                                                                                                  CTAGCCTATGCTGAAAACAT 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      BP
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                                                                                                                                                                                                                                                              0.4%;
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The invention relates to a compound targeted to a nucleic acid molecule encoding human phosphoinositide-3-kinase (PI3K) regulatory subunit 4, produced the separation of the procession of the specifically hybridises with a nucleic acid molecule encoding PI3K regulatory subunit 4, p150 and inhibits expression of the polypeptide. The antisense oligonucleoticed comprises at least one modified internucleodide linkage i.e. a phosphorothioate linkage at least one modified sugar motety, preferably a 2'-O-methoxyethyl sugar motety, or at least one modified in nucleobase comprising a 5-methylcytoshine. The antisense compounds are useful for modulating the expression of PI3K regulatory subunit 4, p150 and for preventing or treating hyperproliferative disorders (i.e. cancer), Chediak-Higashi syndrome, neurodegenerative disorders and cancer), chediak-Higashi syndrome, neurodegenerative disorders and in preventing or delaying infection or inflammation. This sequence represents an antisense oligonucleotide of the invention.
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and for preventing or treating hyperproliferative disorders (i.e. cancer), Chediak-Higashi syndrome, neurodegenerative disorders and metabolic disorders. These may also be used in research and diagnostics and in preventing or delaying infection or inflammation. This sequence represents an antisense oligonucleotide of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Human PI3K regulatory subunit 4, p150 DNA antisense oligonucleotide #59
                                                                                                                                                                                                               Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Human; phosphoinositide-1-kinase regulatory subunit 4; p150; P13K; P13 Kinase; ss; antisense oligonucleocide; phosphorothioate linkage; 2/-O-methoxyethyl sugar moiety; 5-methyloytosine; 2/-O-methoxyethyl sugar moiety; 5-methyloytosine; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; neurodegenerative disorder; metabolic disorders; inflammation; cytostatic; immunomodulator; neurodegenerative; antimicrobial; antimilammatory.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        New antisense oligonucleotides inhibiting the expression of phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for preventing or treating diseases associated with the subunit, e.g.
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                                                                                                                                                                  0.4%; Score 20; DB 1; Length 20; 100.0%; Pred. No. 1.4e+02; tive 0; Mismatches 0; Indels
                                                                                                                               Seguence 20 BP; 5 A; 3 C; 4 G; 8 T; 0 U; 0 Other;
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                                                                                                                                                                                                                                                        2080 CTTAATATGGAAAATGACCC 2099
                                                                                                                                                                                                                                                                                                CTTAATATGGAAAATGACCC 1
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ID ADH26734 standard; DNA; 20
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                                                                                                                                                                                                               20; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WPI; 2004-051923/05.
                                                                                                                                                                       Query Match
Best Local Similarity
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Pred. No. 1.4e+02;

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Best Local Similarity
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                                                                                                                                                                                                                                                                                               Human; phosphoinositide-3-Kinase regulatory subunit 4; p150; P13K; p13 kinase; ds; antisense oligonucleotide; phosphorothioate linkage; 2'-0-methoxyethyl sugax moiety; 5-methoxycosine; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; neurodegenerative disorder; metabolic disorders; inflammation; cytostatic; immunomodulator; neurodegenerative; antimicrobial;
                                                                       Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       New antisense oligonucleotides inhibiting the expression of
phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for
preventing or treating diseases associated with the subunit, e.g.
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                                                                                                                                                                                                                                                                        Human PI3K regulatory subunit 4, p150 DNA target region #4.
                                          Score 20; DB 1; Length 20;
Pred. No. 1.4e+02;
0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 20 BP; 5 A; 6 C; 3 G; 6 T; 0 U; 0 Other;
                  Sequence 20 BP; 4 A; 5 C; 6 G; 5 T; 0 U; 0 Other;
                                                        100.0%; Prec. ....
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                                                                                                   3781 GAGGCTTCTAAGCTGCCCAA 3800
                                                                                                                    20 GAGGCTTCTAAGCTGCCCAA 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      hyperproliferative disorders.
                                                                                                                                                                                              ADH26757 standard; DNA; 20 BP
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                                                                                                                                                                                                                                                   (first entry)
                                                 Query Match
Best Local Similarity 100.
Matches 20; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (ISIS-) ISIS PHARM INC.
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                                                                                                                                                                                                                                                                                                                                                                                       antiinflammatory
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The invention relates to a compound targeted to a nucleic acid molecule encoding human phosphoinositide-3-kinase (PI3K) regulatory subunit 4, concoding human phosphoinositide-3-kinase (PI3K) regulatory subunit 4, p150. The compound is an antisense oligomucleotide that specifically confidence with a nucleic acid molecule encoding PI3K regulatory subunit 4, p150 and inhibits expression of the polypeptide. The antisense conjugation of the polypeptide of the antisense conjugation of the polypeptide of the antisense conjugation of the polypeptide. The antisense modified preferably a 2'-0-methoxyethyl sugar moiety, or at least one modified preferably a 2'-0-methoxyethyl sugar moiety, or at least one modified conjugation of p13K regulatory subunit 4, p150 custing the expression of p13K regulatory subunit 4, p150 custing the expression of p13K regulatory subunit 4, p150 custing in preventing or detaying infection or inflammation. This sequence confidence and in preventing or detaying infection or inflammation. This sequence
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human; phosphoinositide-3-kinase regulatory subunit 4; pl50; Pl3K; pl3 kinase; ds; antisense oligonucleotide; phosphorothioate linkage; 2'-O-methoxyethyl sugar moiety; 5-metholycycosine; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; hyperproliferative disorder; metabolic disorders; inflammation; cytostatic; immunomodulator; neurodegenerative; antimicrobial;
                             Gaps
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                                Indels
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100.0%; Prec. ...
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                                       20; Conservative
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Matches
                                                    Matches
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4424 CATCTGTGTCCTACTACAGG 4443

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Score 20; DB 1; Length 20;

0.48;

Query Match

(first entry)

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Human PI3K regulatory subunit 4, p150 DNA antisense oligonucleotide #70.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        New antisense oligonucleotides inhibiting the expression of phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for preventing or treating diseases associated with the subunit, e.g. hyperproliferative disorders.
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                              ADH26745 standard; DNA; 20 BP.
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                                                                                   ADH26745;
        ADH26745/c
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                The invention relates to a compound targeted to a nucleic acid molecule encoding human phosphoinostide-3-kinase (F13K) regulatory subunit 4, p150. The compound is an antisense oligonucleotide that specifically hybridises with a nucleic acid molecule encoding F13K regulatory subunit 6, p150 and inhibits expression of the polypeptide. The antisense comparises at least one modified internucleoside linkage i.e. a phosphorothioate linkage at least one modified sugar moiety, preferably a 2'-0-methoxyethyl sugar moiety, or at least one modified nucleobase comprising a 5-methylcytosine. The antisense compounds are useful for modulating the expression of F13K regulatory subunit 4, p150 and for preventing or treating hyperproliferative disorders (i.e. cancer), Chediak-Higashi syndrome, neurodegenreative disorders and entabolic disorders. These may also be used in research and diagnostics and in preventing or delaying infection or inflammation. This sequence
                                                                                                                                                                                                                                                                                                                       Human PI3K regulatory subunit 4, p150 DNA antisense oligonucleotide #54.
                                                                                                                                                                                                                                                                                                                                                                      Human; phosphoinositide-3-kinase regulatory subunit 4; p150; P13K; P13 kinase; ss; antisense oligonucleotide; phosphorothioate linkage; 2'-0-methoxyethyl sugar moiety; 5-methylcytcsine; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; neurodegenerative disorder; metabolic disorders; inflammation; cytostatic; immunomodulator; neurodegenerative; antimicrobial; antinilammatory.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      New antisense oligonucleotides inhibiting the expression of phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for preventing or treating diseases associated with the subunit, e.g. hyperproliferative disorders.
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100.0%; Pred. No. 1.4e+02;
ive 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Example 15; SEQ ID NO 64; 62pp; English.
ADH26729 standard; DNA; 20 BP
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Best Local Similarity luc..
Best Local Similarity
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                                                                                                                                                                                                                   ADH26729;
                                                                                                         RESULT 91
ADH26729,C
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AXC ADH26
DY 11-M
DX Human
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Dobie KW;

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The invention relates to a compound targeted to a nucleic acid molecule encoding human phosphoinostide-3-kinase (PI3K) regulatory subunit 4, p150. The compound is an antisense oligonuclectide that specifically hybridises with a nucleic acid molecule encoding PI3K regulatory subunit 4, p150 and inhibits expression of the polypeptide. The antisense oligonuclectide comprises at least one modified internucleoside linkage i.e. a phosphorothioate linkage, at least one modified sugar molety. preferably a 2'-O-methoxyethyl sugar moiety, or at least one modified nucleobase comprising a 5-methylcytosine. The antisense compounds are useful for modulating the expression of PI3K regulatory subunit 4, p150 and for preventing or treating hyperproliferative disorders (i.e., and for preventing or treating hyperproliferative disorders (i.e., and in the compounds are not to be a compound that the compound that it is not the compound that the compound that it is not the compound that the compound that it is not the compound that the compound the compound that the compound the compound that the compound the compound that the compound the compound that the compound the compound that the compound the compound the compound that the compound the compound that the compound the compound that the compound the compo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          cancer), Chedlak-Higashi syndrome, neurodegenerative disorders and metabolic disorders. These may also be used in research and diagnostics and in preventing or delaying infection or inflammation. This sequence represents an antisense oligonuclectide of the invention.
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100.0%; Pred. No. 1.4e+02;
ve 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       4355 TGAAAATAAGGTTTTGGGAC 4374
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es 20; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                       The invention relates to a compound targeted to a nucleic acid molecule encoding human phosphoinositide-3-kinase (P13K) regulatory subunit 4, p150. The compound is an antisense oligonucleotide that specifically hybridises with a nucleic acid molecule encoding P18K regulatory subunit 4, p150 and inhibits expression of the polypeptide. The antisense oligonucleotide comprises at least one modified internucleoside linkage i.e. a phosphorothioate linkage, at least one modified sugar moiety, preferably a 2'-0-methoxyethyl sugar moiety, or at least one modified nucleobase comprising a 5-methylcytosine. The antisense compounds are useful for modulating the expression of P13K regulatory subunit 4, p150 and for preventing or treating hyperproliferative disorders (i.e. cancer), Chediak-Higashi syndrome, neurodegenerative disorders and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             cancer), Chediak-Higashi syndrome, neurodegenerative disorders and metabolic disorders. These may also be used in research and diagnostics and in preventing or delaying infection or inflammation. This sequence represents a Pi3k regulatory subunit 4, p150 DNA antisense oligonucleotide target region of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
                                                 Human; phosphoinositide-3-kinase regulatory subunit 4; p150; P13K; P13 kinase; ds; antisense oligonucleotide; phosphorothioate linkage; 2'-O-methoxyethyl sugar molety; 5-methylcytosine; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; neurodegenerative disorder; metabolic disorders; inflammation; cytostatic; immunomodulator; neurodegenerative; antimicrobial;
                                                                                                                                                                                                                                                                                                                                                                                          phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for preventing or treating diseases associated with the subunit, e.g. hyperproliferative disorders.
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                                                                                                                                                                                                                                                                                                                                                                                New antisense oligonucleotides inhibiting the expression of
                         Human PI3K regulatory subunit 4, p150 DNA target region #6.
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Pred. No. 1.4e+02;
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100.0%; Pred. No. 1...
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(first entry)
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nes 20; Conservative
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                                                                                                                                                                                                                                                                                                                             Dobie KW;
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                                                                                                                                     antiinflammatory.
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11-MAR-2004
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The invention relates to a compound targeted to a nucleic acid molecule encoding human phosphoinositide-3-kinase (PI3K) regulatory subunit 4, p150 176 compound is an antisense oligonucleotide that specifically phridises with a nucleic acid molecule encoding PI3K regulatory subunit 4, p150 and inhibits expression of the polypeptide. The antisense oligonucleotide comprises at least one modified internucleoside linkage i.e. a phosphorothioate linkage, at least one modified sugar moiety, preferably a 2'-O-methoxyethyl sugar moiety, or at least one modified nucleobase comprising a 5-methylcytosine. The antisense compounds are useful for modilating the expression of P13K regulatory subunit 4, p150 and for preventing or treating hyperproliferative disorders and metabolic disorders. These may also be used in research and diagnostics and in preventing or delaying infection or inflammation. This sequence represents a P13K regulatory subunit 4, p150 DNA antisense
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Human; phosphoinositide-3-kinase regulatory subunit 4; p150; P13K; P13 kinase; ds; antisense oligonucleotide; phosphorothioate linkage; 2'-O-methoxyethyl sugar moiety; 5-methoxyetosine; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; neurodegenerative disorder; metabolic disorders; inflammation; cytostatic; immunomodulator; neurodegenerative; antimicrobial;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          New antisense oligonucleotides inhibiting the expression of phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for preventing or treating diseases associated with the subunit, e.g. hyperproliferative disorders.
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Pred. No. 1.4e+02;
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es 20; Conserv
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31-MAY-2002; 2002US-00160786.
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                                                                                                                           (ISIS-) ISIS PHARM INC.
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                          US2003225013-A1.
  Homo sapiens.
                                                   04-DEC-2003
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Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0; Gaps
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                                                                                                                                                                                                                                                   New antisense oligonucleotides inhibiting the expression of phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for preventing or treating diseases associated with the subunit, e.g.
neurodegenerative disorder; metabolic disorders; inflammation;
          cytostatic, immunomodulator; neurodegenerative; antimicrobial; antinflammatory.
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                                                                                                                                                                                                                                                                                            hyperproliferative disorders.
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Les 20; Conservative
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                                                   Homo sapiens
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                                                                                                  04-DEC-2003.
                                                                                                                                                                                                    Freier SM,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADH26804;
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The invention relates to a compound targeted to a nucleic acid molecule encoding human phosphoinositide-3-kinase (PI3K) regulatory subunit 4, p150 p150. The compound is an antisense oligonucleotide that specifically hybridises with a nucleic acid molecule encoding PI3K regulatory subunit 4, p150 and inhibits expression of the polypeptide. The antisense oligonucleotide comprises at least one modified. The antisense oligonucleotide comprises at least one modified sugar moiety, preferably a 2'-O-methoxyethyl sugar moiety, or at least one modified nucleobase comprising a 5-methylcytosine. The antisense compounds are useful for moditating the expression of PI3K regulatory subunit 4, p150 and for preventing or treating hyperproliferative disorders and metabolic disorders. These may also be used in research and diagnostics and in preventing or delaying infection or inflammation. This sequence represents a P13K regulatory subunit 4, p150 DNA antisense
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New antisense oligonucleotides inhibiting the expression of phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for preventing or treating diseases associated with the subunit, e.g.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 20 BP; 3 A; 4 C; 7 G; 6 T; 0 U; 0 Other;
                                                                                                                                                                                                                                Example 15; SEQ ID NO 139; 62pp; English.
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                                                                                                                                      hyperproliferative disorders.
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31-MAY-2002; 2002US-00160786.

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The invention relates to a compound targeted to a nucleic acid molecule encoding human phosphoinositide-3-kinase (PI3K) regulatory subunit 4, p150. The compound is an antisense oligonucleotide that specifically hybridises with a nucleic acid molecule encoding PI3K regulatory subunit 4, p150 and inhibits expression of the polypeptide. The antisense oligonucleotide comprises at least one modified internucleoside linkage i.e. a phosphorothioate linkage, at least one modified sugar moiety, preferably a 2'-0-methoxyethyl sugar moiety, or at least one modified nucleobase comprising a 5-methyloytosine. The antisense compounds are useful for modulating the expression of P13K regulatory subunit 4, p150 and for preventing or treating hyperproliferative disorders and metabolic disorders. These may also be used in research and diagnostics and in preventing or delaying infection or inflammation. This sequence represents a P13K regulatory subunit 4, p150 DNA antisense
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                                                                                                                                                                                                                                  New antisense oligonucleotides inhibiting the expression of phosphotinositide-3-kinase, regulatory subunit 4, pl50, useful for preventing or treating diseases associated with the subunit, e.g. hyperproliferative disorders.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            represents a P13K regulatory subunit 4, p150 DNA antisense oligonucleotide target region of the invention.
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0.4%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 20; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                             Example 15; SEQ ID NO 141; 62pp; English.
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                                        31-MAY-2002; 2002US-00160786.
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                                                                            31-MAY-2002; 2002US-00160786.
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                                                                                                                 (ISIS-) ISIS PHARM INC.
                                                                                                                                                       Dobie KW;
                                                                                                                                                                                           WPI; 2004-051923/05.
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                                                                                                                                                     Freier SM,
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ADH26808
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The invention relates to a compound targeted to a nucleic acid molecule encoding human phosphoinositide-3-kinase (PI3K) regulatory subunit 4, plso form of the process of the second molecule encoding PI3K regulatory subunit 4, plso and inhibits expression of the polypeptide. The antisense oligonuclectide comprises at least one modified internucleoside linkage oligonuclectide comprises at least one modified internucleoside linkage i.e. a phosphorothioate linkage, at least one modified sugar moiety, preferably a 2'-O-methoxyethyl sugar moiety, or at least one modified nucleobase comprising a 5-methylcytosine. The antisense compounds are useful for modulating the expression of PI3K regulatory subunit 4, plso and for preventing or treating hyperproliferative disorders (i.e. cancer), Chediak-Higashi syndrome, neurodegenerative disorders and metabolic disorders. These may also be used in research and diagnostics and in preventing or delaying infection or infilammation. This sequence represents a PI3K regulatory subunit 4, plso DNA antisense cligonucleotide target region of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human PI3K regulatory subunit 4, p150 DNA antisense oligonucleotide #9.
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                                                                                                                                              New antisense oligonucleotides inhibiting the expression of phosphoinostitide.3-kinase, regulatory subunit 4, p150, useful for preventing or treating diseases associated with the subunit, e.g. hyperproliferative disorders.
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Best Local Similarity 100.00
"Thes 20; Conservative
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ID ADH26684 standard; DNA; 20
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                                     (ISIS-) ISIS PHARM INC.
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                                                                          Dobie KW;
                                                                                                           WPI; 2004-051923/05.
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                                                                        Freier SM,
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The invention relates to a compound targeted to a nucleic acid molecule encoding human phosphoinositide-3-kinase (FT3K) regulatory subunit 4, p150. The compound is an antisense oligonuclectide that specifically hybridises with a nucleic acid molecule encoding F13K regulatory subunit 6, p150 and inhibits expression of the polypeptide. The antisense oligonuclectuced comprises at least one modified internucleoside linkage i.e. a phosphorothioate linkage, at least one modified sugar moiety, preferably a 2'-0-methoxyethyl sugar moiety, or at least one modified in uncleabase comprising a 5-methylcytosine. The antisense compounds are useful for modulating the expression of F13K regulatory subunit 4, p150 and for preventing or treating hyperproliferative disorders and metabolic disorders. These may also be used in research and diagnostics and in preventing or delaying infection or inflammation. This sequence represents an antisense oligonuclectide of the invention.
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                                                                New antisense oligonucleotides inhibiting the expression of phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for preventing or treating diseases associated with the subunit, e.g. hyperproliferative disorders.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 20; DB 1; Length 20;
Pred. No. 1.4e+02;
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100.0%; Pred. No. ...
0; Mismatches
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 Dobie KW;
                                  WPI; 2004-051923/05.
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 Freier SM,
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New antisense oligonucleotides inhibiting the expression of

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                                                                                                                                                                                          invention relates to a compound targeted to a nucleic acid molecule
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phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for preventing or treating diseases associated with the subunit, e.g. hyperproliferative disorders.
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                                                                                                                             Example 15; SEQ ID NO 23; 62pp; English.
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The invention relates to a compound targeted to a nucleic acid molecule encoding human phosphoinositide-3-kinase (PI3K) regulatory subunit 4, prompound is an antisense oligonuclocide that specifically tycholidises with a nucleic acid molecule encoding PI3K regulatory subunit 4, pls0 and inhibits expression of the polypeptide. The antisense oligonuclectide comprises at least one modified internucleoside linkage i.e. a phosphorothioate linkage, at least one modified sugar moiety, preferably a 2'-0-methoxyethyl sugar moiety, or at least one modified successing a sheethyloytosine. The antisense compounds are useful for modulating the expression of PI3K regulatory subunit 4, pls0 and for preventing or treating hyperproliferative disorders (i.e. cancer), chediak-Higashi syndrome, neurodegenerative disorders and etabolic disorders. These may also be used in research and diagnostics and in preventing or delaying infection or inflammation. This sequence represents an antisense oligonucleotide of the invention.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Human PI3K regulatory subunit 4, p150 DNA antisense oligonucleotide #18.
                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human; phosphoinositide-3-kinase regulatory subunit 4; p150; P13K; P13 kinase; ss; antisense oligomuclectide; phosphorothioate linkage; 2'-O-methoxyethyl sugar moiety; 5-methylcytosine; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; neurodegenerative disorder; metabolic disorders; inflammation; cytostatic; immunomodulator; neurodegenerative; immunomodulator; neurodegenerative; antimicrobial; antiinflammatory.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              New antisense oligonuclectides inhibiting the expression of phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for breventing or treating diseases associated with the subunit, e.g.
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                                                                                                                                                                                                                                                                                                                                                                 0.4%; Score 20; DB 1; Length 20;
100.0%; Pred. No. 1.4e+02;
iive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                Sequence 20 BP; 5 A; 6 C; 4 G; 5 T; 0 U; 0 Other;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                     TTCGTCATGGGGACATCAAG 1017
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TTCGTCATGGGGACATCAAG 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          hyperproliferative disorders.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        31-MAY-2002; 2002US-00160786.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  31-MAY-2002; 2002US-00160786
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADH26693 standard; DNA; 20
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nes 20; Conservative
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4, pls0 and inhibits expression of the polypeptide. The antisense oligonucleotide comprises at least one modified internucleoside linkage i.e. a phosphorothioate linkage, at least one modified sugar moiety, preferably a 2'-O-methoxyethyl sugar moiety, or at least one modified nucleobase comprising a 5-methyloytosine. The antisense compounds are useful for modulating the expression of P13K regulatory subunit 4, pls0 and for preventing or treating hyperproliferative disorders (i.e. cancer). Chediax-Higashis syndrome, neurodegenerative disorders and metabolic disorders. These may also be used in research and disquostics and in preventing or delaying infection or inflammation. This sequence represents an antisense oligonucleotide of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human P13K regulatory subunit 4, p150 DNA antisense oligonucleotide #38.
                                                                                                                                                                                                                                                                                                                       Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human; phosphoinositide-3-kinase regulatory subunit 4; p150; p13K; p13 kinase; ss; antisense oligonucleotide; phosphorothioate linkage; 2'-0-methoxyethyl sugar moiety; 5-methoxyetosine; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; neurodegenerative disorder; metabolic disorders; inflammation; cytostatic; immunomodulator; neurodegenerative; antimicrobial;
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                                                                                                                                                                                                                                                                                                       1.4e+02;
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tive 0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                  1083 CACTTATCTTCCAGAGACA 1102
                                                                                                                                                                                                                                                                                                                                                                                       CACTIAICTICCAGAAGACA 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       31-MAY-2002; 2002US-00160786.
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Best Local Similarity 100.'
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ADH26713/c
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gibbs-10-667-022-4.rng

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The invention relates to a compound targeted to a nucleic acid molecule encoding human phosphoinositide-3-kinase (F13K) regulatory subunit 4, p150. The compound is an antisense oligonucleotide that specifically hybridises with a nucleic acid molecule encoding F13K regulatory subunit 4, p150. The compound is an acidem encoding F13K regulatory subunit 4, p150 and inhibits expression of the polypeptide. The antisense coligonucleotide comprises at least one modified internucleoside linkage i.e. a phosphorothioate linkage, at least one modified sugar moiety, preferably a 2'-O-methoxyethyl sugar moiety, or at least one modified nucleobase comprising a 5-methylcytosine. The antisense compounds are useful for modulating the expression of F13K regulatory subunit 4, p150 and for preventing or treating hyperproliferative disorders (i.e. cancer), Chediak-Higashi syndrome, neurodegenerative disorders and metabolic disorders. These may also be used in research and diagnostics and in preventing or delaying infection or inflammation. This sequence
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useful for modulating the expression of PI3K regulatory subunit 4, p150 and for preventing or treating hyperproliferative disorders (i.e. cancer), Chediak-Higashi syndrome, neurodegenerative disorders and metabolic disorders. These may also be used in research and diagnostics and in preventing or delaying infection or inflammation. This sequence represents an antisense oligonucleotide of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human PI3K regulatory subunit 4, p150 DNA antisense oligonucleotide #49.
                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human; phosphoinositide-3-kinase regulatory subunit 4; p150; p13K; p13 kinase; ss; antisense oligonucleotide; phosphorothioate linkage; 2.-0-methoxyethyl sugar moiety; 5-methylcytcosine; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; neurodegenerative disorder; metabolic disorders; inflammation; cytostatic; immunomodulator; neurodegenerative; inflammation; antimicrobial; antimicrobial;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                New antisense oligonucleotides inhibiting the expression of phosphoinositide-1-kinase, regulatory subunit 4, p150, useful for preventing or treating diseases associated with the subunit, e.g. hyperproliferative disorders.
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                                                                                                                                                                                                                                                                                                                                            0.4%; Score 20; DB 1; Length 20;
                                                                                                                                                                                                                                                                                                                                                                                                                      0; Indels
                                                                                                                                                                                                                                                                   Sequence 20 BP; 8 A; 6 C; 1 G; 5 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                       Pred. No. 1.4e+02;
                                                                                                                                                                                                                                                                                                                                                            100.0%; Pred. ...
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               2438 TTAGTGATGCTGAGGAATTT 2457
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          20 TTAGTGATGCTGAGGAATTT 1
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nes 20; Conservative
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ID ADH 26 724 / C

ADH 27 AD
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The invention relates to a compound targeted to a nucleic acid molecule encoding human phosphoinositide-3-kinase (PI3K) regulatory subunit 4, p150. The compound is an antisense oligonucleotide that specifically hybridises with a nucleic acid molecule encoding PI3K regulatory subunit 4, p150 and inhibits expression of the polypeptide. The antisense oligonucleotide comprises at least one modified internucleoside linkage i.e. a phosphorothioate linkage, at least one modified sugar molety, preferably a 2'-O-methoxyethyl sugar molety, or at least one modified in uncleobase comprising a 5-methylcytosine. The antisense compounds are useful for modulating the expression of FI3K regulatory subunit 4, p150 and for preventing or treating hyperproliferative disorders and cancer), Chediak-Higashi syndrome, neurodegenerative disorders and metabolic disorders. These may also be used in research and diagnostics and in preventing or delaying infection or inflammation. This sequence represents an antisense oligonucleotide of the invention.
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                                                                                                                                                                                                                                                                                                                                                                                                                Human PI3K regulatory subunit 4, p150 DNA antisense oligonucleotide #55.
                                                                                                                   Gapa
                                                                                                                                                                                                                                                                                                                                                                                                                                                 Human; phosphoinositide-3-kinase regulatory subunit 4; p150; P13K; P13 kinase; ss; antisense oligonucleotide; phosphorothioate linkage; 2'-O-methoxyethyl sugar moiety; 5-methylcytosine; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; neurodegenerative disorder; metabolic disorders; inflammation; cytostatic; immunomodulator; neurodegenerative; antimicrobial;
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represents an antisense oligonucleotide of the invention.
                                                                            Length 20;
                                                                                                                 Indels
                                     Sequence 20 BP; 5 A; 3 C; 4 G; 8 T; 0 U; 0 Other;
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                                                                                              1.46+02;
                                                                       0.4%; Score 20; DB
100.0%; Pred. No. 1.4
tive 0; Mismatches
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                                                                                                                                                        3318 AAAACCAGTAATACCGGTTT 3337
                                                                                                                                                                            20 AAAACCAGTAATACCGGTTT 1
                                                                                                                                                                                                                                                                                             ADH26730 standard; DNA; 20 BP
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                                                                                                                                                                                                                                                                                                                                                                         11-MAR-2004 (first entry)
                                                                     Query Match
Best Local Similarity 100.
Matches 20, Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             antiinflammatory.
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0.4%; Score 20; DB 1; Length 20;

Query Match

20 CTGACTAAATGACACCCAAA 1

BP.

ADH26758 standard; DNA; 20

ADH26758;

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RESULT 107
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                                                                                                                                                                                                      Human P13K regulatory subunit 4, p150 DNA antisense oligonucleotide #76.
             Gaps
                                                                                                                                                                                                                            Human; phosphoinositide-3-kinase regulatory subunit 4; p150; p13K;
P13 kinase; ss; antisense oligonucleotide; phosphorothioate linkage;
2'-O-methoxyethyl sugar moiety; 5-methylcytosine;
hyperproliferative disorder; cancer; Chediak-Higashi syndrome;
neurodegenerative disorder; metabolic disorders; inflammation;
cytostetic; immunomodulator; neurodegenerative; antimicrobial;
antiinflammatory.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           New antisense oligonucleotides inhibiting the expression of phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for preventing or treating diseases associated with the subunit, e.g. hyperproliferative disorders.
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              Indels
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 100.0%; Pred. No. 1.4e+02; ive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Example 15; SEQ ID NO 86; 62pp; English.
                                        3523 GTTGCCCATCTTCATGAGCA 3542
                                                     20 GTTGCCCATCTTCATGAGCA 1
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                                                                                                                                 ADH26751 standard; DNA; 20 BP
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                                                                                                                                                                                     (first entry)
                Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         WPI; 2004-051923/05.
    Best Local Similarity
Matches 20; Conserv
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                                                                                                                                                           ADH26751;
                                                                                                          RESULT 106
                                                                                                                         ADH26751,
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The invention relates to a compound targeted to a nucleic acid molecule concoding human phosphoinostiide-3-kinase (PI3K) regulatory subunit 4, concoding human phosphoinostiide-3-kinase (PI3K) regulatory subunit 4, p150. The compound is an antisense oligonucleotide that specifically characterialses with a nucleic acid molecule encoding PI3K regulatory subunit 4, p150 and inhibits expression of the polypeptide. The antisense compounds and ingonucleotide comprises at least one modified internucleoside linkage (i.e. a phosphorothibate linkage, at least one modified sugar moiety, or at least one modified customers, and preferably a 2'-0-methoxyethyl sugar moiety, or at least one modified customers are conclusing the expression of P13K regulatory subunit 4, p150 and for preventing or treating hyperproliferative disorders and cancer), chediak-Higashi syndrome, neurodegenerative disorders and cancer, centers and in preventing or delaying infection or inflammation. This sequence continued target region of the invention.
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                                                                                                                               Human, phosphoinositide-3-kinase regulatory subunit 4; p150; P13K; p13 kinase; ds; antisense oligonucleotide; phosphorothioate linkage; 2'-0-methoxyethyl sugar moiety; 5-methoxyethyl sydatosine; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; neurodegenerative disorder; metabolic disorders; inflammation; cytostatic; immunomodulator; neurodegenerative; antimicrobial;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        New antisense oligonucleotides inhibiting the expression of phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for preventing or treating diseases associated with the subunit, e.g. hyperproliferative disorders.
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0
                                                       Human P13K regulatory subunit 4, p150 DNA target region #5.
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-ive 0; Mismatches
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Matches 20; Conservative
(first entry)
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                                                                                                                                                                                                                                                                                                                                                                                      antiinflammatory.
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11-MAR-2004
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     metabolic disorders. These may also be used in research and disgnostics and in preventing or delaying infection or inflammation. This sequence represents a PI3K regulatory subunit 4, p150 DNA antisense oligonucleotide target region of the invention.
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                                                                                                                                                          Human, phosphoinositide-3-kinase regulatory subunit 4; p150; p13K; p13 kinase; ds; antisense oligonucleotide; phosphorothioate linkage; 2'-0-methoxyethyl sugar moiety; 5-methylcytosine; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; neurodegenerative disorder; metabolic disorders; inflammation; cytostatic; immunomodulator; neurodegenerative; antimicrobial; antiliflammatoxy.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      New antisense oligonucleotides inhibiting the expression of phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for preventing or treating diseases associated with the subunit, e.g.
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                                                                                                                               Human PI3K regulatory subunit 4, p150 DNA target region #9.
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Pred. No. 1.4e+02;
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100.0%; Pred. No. ...
0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               hyperproliferative disorders.
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                    ADH26762 standard; DNA; 20
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Best Local S
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ID ADH2
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The invention relates to a compound targeted to a nucleic acid molecule encoding human phosphoinositide-3-kinase (PI3K) regulatory subunit 4, p150 p150. The compound is an antisense oligonuclectide that specifically hybridises with a nucleic acid molecule encoding PI3K regulatory subunit 4, p150 and inhibits expression of the polypeptide. The antisense oligonuclectide comprises at least one modified internucleoside linkage i.e. a phosphorothioate linkage, at least one modified sugar molety, preferably a 2.0-methoxyethyl sugar molety, or at least one modified nucleobase comprising a 5-methylcytosine. The antisense compounds are uncleobase comprising the expression of PI3K regulatory subunit 4, p150 and for preventing or treating hyperproliferative disorders and cancer), Chediak-Higashi syndrome, neurodegenerative disorders and metabolic disorders. These may also be used in research and diagnostics and in preventing or delaying infection or inflammation. This sequence represents a PI3K regulatory subunit 4, p150 DNA antisense
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                                                                                         Human; phosphoinositide-3-kinase regulatory subunit 4; p150; P13K; P13 kinase; ds; antisense oligonucleotide; phosphorothioate linkage; 2'-O-methoxyethyl sugar moiety; 5-methyloyrosine; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; neurodegenerative disorder; metabolic disorders; inflammation; cytostatic; immunomodulator; neurodegenerative; antimicrobial;
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                                                        Human PI3K regulatory Bubunit 4, p150 DNA target region #13.
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Matches 20; Conservative
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            Human, phosphoinositide-3-Kinase regulatory subunit 4; p150; P13K; p13 kinase; ds; antisense oligonucleotide; phosphorothioate linkage; 2'-0-methoxyethyl sugar molety; 5-methoxyctosine; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; neurodegenerative disorder; metabolic disorders; inflammation; cytostatic; immunomodulator; neurodegenerative; antimicrobial;
                                                                                                                                                                                                                                                                                                                                     New antisense oligonucleotides inhibiting the expression of phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for preventing or treating diseases associated with the subunit, e.g. hyperproliferative disorders.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         oligonucleotide target region of the invention.
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                                                                                                                            Homo sapiens.
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Matches
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The invention relates to a compound targeted to a nucleic acid molecule encoding human phosphoinositide-3-kinase (PI3K) regulatory subunit 4, encoding human phosphoinositide-3-kinase (PI3K) regulatory subunit 4, p150. The compound is an antisense oligonucleotide that specifically type in a phosphorothic expression of the polypeptide. The antisense 4, p150 and inhibits expression of the polypeptide. The antisense oligonucleotide comprises at least one modified internucleoside linkage i.e. a phosphorothicate linkage, at least one modified sugar moiety, preferably a 2'-O-methoxyethyl sugar moiety, or at least one modified nucleobase comprising a 5-methylcytosine. The antisense compounds are uncleobase comprising the expression of P13K regulatory subunit 4, p150 and for preventing or treating hyperproliferative disorders and cancer). Chediak Higashi syndrome, neurodegenerative disorders and metabolic disorders. These may also be used in research and diagnostics metabolic disorders. These may also be used in research and diagnostics and in preventing or delaying infection or inflammation. This sequence represents a p13K regulatory subunit 4, p150 DNA antisense
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              New antisense oligonucleotides inhibiting the expression of phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for preventing or treating diseases associated with the subunit, e.g. hyperproliferative disorders.
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hyperproliferative disorder; cancer; Chediak-Higashi syndrome; neurodegenerative disorder; metabolic disorders; inflammation; cytostatic; immunomodulator; neurodegenerative; antimicrobial;
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Pred. No. 1.4e+02;
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                                                                                                                                                                                                                                                                                                                                                                                                                31-MAY-2002; 2002US-00160786.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (ISIS-) ISIS PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Dobie KW;
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                                                                                                                              antiinflammatory.
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                                                                                                                                                                                                    Homo sapiens.
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The invention relates to a compound targeted to a nucleic acid molecule encoding human phosphoinositide-3-kinase (PI3K) regulatory subunit 4, p150 p150. The compound is an antisense oligonucleotide that specifically hybridises with a nucleic acid molecule encoding PI3K regulatory subunit 4, p150 and inhibits expression of the polypeptide. The antisense oligonucleotide comprises at least one modified internucleoside linkage i.e. a phosphorothioate linkage, at least one modified sugar moiety, preferably a 2-0-methoxyethyl sugar moiety, or at least one modified nucleobase comprising a 5-methylcytosine. The antisense compounds are useful for modulating the expression of FI3K regulatory subunit 4, p150 and for preventing or treating hyperproliferative disorders and metablic disorders. These may also be used in research and diagnostics and in preventing or delaying infection or inflammation. This sequence represents a FI3K regulatory subunit 4, p150 DNA antisense
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                                                                                                                                                                                                                                                                                                           New antisense oligonucleotides inhibiting the expression of phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for preventing or treating diseases associated with the subunit, e.g.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0.4%; Score 20; DB 1; Length 20;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         100.0%; Pred. No. 1.4e+02; ive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         represents a PI3K regulatory subunit 4, p150 DN oligonucleotide target region of the invention.
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                                                                                                                                                                                                                                                                                                                                                                                        hyperproliferative disorders.
                                                                     31-MAY-2002; 2002US-00160786
                                                                                                                     31-MAY-2002; 2002US-00160786
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                                                                                                                                                                    (ISIS-) ISIS PHARM INC.
                                                                                                                                                                                                                  Dobie KW;
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                       04-DEC-2003
                                                                                                                                                                                                                  Freier SM,
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Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 The invention relates to a compound targeted to a nucleic acid molecule encoding human phosphoinositide-3-kinase (PI3K) regulatory subunit 4, p150. The compound is an antisense oligonuclectide that specifically hybridises with a nucleic acid molecule encoding PI3K regulatory subunit 4, p150 and inhibits expression of the polypeptide. The antisense oligonuclectide comprises at least one modified internucleoside linkage. i.e. a phosphorothioate linkage, at least one modified sugar moiety, preferably a 2'-O-methoxyethyl sugar moiety, or at least one modified nucleobase comprising the expression of P13K regulatory subunit 4, p150 useful for modulating the expression of P13K regulatory subunit 4, p150 and for preventing or treating hyperproliferative disorders and metabolic disorders. These may also be used in research and diagnostics and in preventing or delaying infection or inflammation. This sequence represents a P13K regulatory subunit 4, p150 DNA antisense
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                                                                                                                                                                                                                                                                                                                                                                                                          New antisense oligonucleotides inhibiting the expression of phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for preventing or treating diseases associated with the subunit, e.g. hyperproliferative disorders.
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Pred. No. 1.4e+02;
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                                                                                                                                                                                                                                                                                                                   Freier SM, Dobie KW;
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                       Homo sapiens.
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                                                                                                                 New antisense oligonucleotides inhibiting the expression of phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for preventing or treating diseases associated with the subunit, e.g. hyperproliferative disorders.
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                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 20 BP; 4 A; 4 C; 5 G; 7 T; 0 U; 0 Other;
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                                                                                                                                                                                     Example 15; SEQ ID NO 14; 62pp; English.
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               31-MAY-2002; 2002US-00160786
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Best Local Similarity 100.0
Matches 20; Conservative
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                                          (ISIS-) ISIS PHARM INC
                                                                   Freier SM, Dobie KW;
                                                                                              WPI; 2004-051923/05.
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The invention relates to a compound targeted to a nucleic acid molecule encoding human phosphoinositide-3-kinase (PI3K) regulatory subunit 4, p150. The compound is an antisense Oligonucleotide that specifically hybridises with a nucleic acid molecule encoding PI3K regulatory subunit hybridises with a nucleic acid molecule encoding PI3K regulatory subunit coligonucleotide comprises at least one modified. The antisense oligonucleotide comprises at least one modified internucleoside linkage i.e. a phosphorothioate linkage, at least one modified sugar moiety, preferably a 2-0-methoxyethyl sugar moiety, or at least one modified nucleobase comprising a 5-methylorytosine. The antisense compounds are nacleobase comprising the expression of PI3K regulatory subunit 4, p150 and for preventing or treating hyperproliferative disorders and metabolic disorders. These may also be used in research and diagnostics and in preventing or delaying infection or inflammation. This sequence
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                                                                                                               New antisense oligonucleotides inhibiting the expression of phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for preventing or treating diseases associated with the subunit, e.g. hyperproliferative disorders.
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100.0%; Pred. No. 1.4e+02;
rative 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                             Example 15; SEQ ID NO 31; 62pp; English.
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Freier SM, Dobie KW,
                                                                      WPI; 2004-051923/05.
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les 20; Conserv
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The invention relates to a compound targeted to a nucleic acid molecule encoding human phosphoinositide-3-kinase (P13K) regulatory subunit 4, p150. The compound its an antisense oligonucleotide that specifically hybridises with a nucleic acid molecule encoding P13K regulatory subunit 4, p150 and inhibits expression of the polypeptide. The antisense oligonucleotide comprises at least one modified internucleoside linkage i.e. a phosphorothioate linkage, at least one modified sugar moiety, preferably a 2'-O-methoxyethyl sugar moiety, or at least one modified nucleobase comprising a 5-methylcytosine. The antisense compounds are useful for modulating the expression of P13K regulatory subunit 4, p150 and for preventing or treating hyperproliferative disorders and cancers), Chediak-Higashi syndrome, neurodegenerative disorders and metabolic disorders. These may also be used in research and diagnostics and in preventing or delaying infection or inflammation. This sequence represents an antisense oligonucleotide of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human PI3K regulatory subunit 4, p150 DNA antisense oligonucleotide #31.
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phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for preventing or treating diseases associated with the subunit, e.g.
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                                                                                                                                                Example 15; SEQ ID NO 32; 62pp; English.
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ADH26706 standard; DNA; 20 BP
                                         preventing or treating diseas hyperproliferative disorders.
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Matches 20; Conservative
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Example 15; SEQ ID NO 41; 62pp; English.

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The invention relates to a compound targeted to a nucleic acid molecule encoding human phosphoinositide-3-kinase (PI3K) regulatory subunit 4, p150. The compound is an antisense oligonucleotide that specifically hybridises with a nucleic acid molecule encoding Pi3K regulatory subunit 4, p150 and inhibits expression of the polypeptide. The antisense oligonucleotide comprises at least one modified internucleoside linkage i.e. a phosphorothioate linkage, at least one modified sugar motery, or at least come modified nucleobase comprising a 5-methylytosine. The antisense compounds are useful for modulating the expression of PI3K regulatory subunit 4, p150 and for preventing or treating hyperproliferative disorders (1.e. cancer). Chediak-Higashi syndrome, neurodegenerative disorders and metabolic disorders. These may also be used in research and diagnostics and in preventing or delaying infection or inflammation. This sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     The invention relates to a compound targeted to a nucleic acid molecule encoding human phosphoinositide-3-kinase (FIXK) regulatory subunit 4, p150. The compound is an antisense oligonucleotide that specifically hybridises with a nucleic acid molecule encoding FIXK regulatory subunit
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human PI3K regulatory subunit 4, p150 DNA antisense oligonucleotide #45.
                                                                                                                                                                                                                                                                                                                                                                                                                      Gape
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                                                                                                                                                                                                                                                                                                represents an antisense oligonucleotide of the invention.
                                                                                                                                                                                                                                                                                                                                     Sequence 20 BP; 7 A; 2 C; 6 G; 5 T; 0 U; 0 Other;
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Best Local Similarity 100.0
----hes 20; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human PI3K regulatory subunit 4, p150 DNA antisense oligonucleotide #75.
4, pl50 and inhibits expression of the polypeptide. The antisense oligonucleotide comprises at least one modified internucleoside linkage i.e. a phosphorothicate linkage, at least one modified sugar moiety, preferably a 2'-0-methoxyethy! sugar moiety, or at least one modified nucleobase comprising a 5-methylcytosine. The antisense compounds are useful for modulating the expression of Pl3K regulatory subunit 4, pl50 and for preventing or treating hyperproliferative disorders (i.e. cancer), Chediak-Higashi syndrome, neurodegenerative disorders and metabolic disorders. These may also be used in research and diagnostics and in preventing or delaying infection or inflammation. This sequence represents an antisense oligonucleotide of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Human, phosphoinositide-3-kinase regulatory subunit 4; p150; p13K; p13 kinase; ss; antisense oligomucleotide; phosphorothioate linkage; 2'-0-methoxyethyl sugar moiety; 5-methylcytosine; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; neurodegenerative disorder; metabolic disorders; inflammation; cytostatic; immunomodulator; neurodegenerative; antimicrobial;
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                                                                                                                                                                                                                                                                                          0.4%; Score 20; DB 1; Length 20; 100.0%; Pred. No. 1.4e+02; tive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                       Sequence 20 BP; 3 A; 6 C; 3 G; 8 T; 0 U; 0 Other;
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                                                                                                                                                                                                                                                                                                                                                                                2913 AGAGGAAGACAAACTTCTGG 2932
                                                                                                                                                                                                                                                                                                                                                                                                       AGAGGAAGACAAACTTCTGG 1
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                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity
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ADH26750/c
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The invention relates to a compound targeted to a nucleic acid molecule encoding human phosphoinositide-3-kinase (PI3K) regulatory subunit 4, p150. The compound is an antisense oligonucleotide that specifically hypridises with a nucleic acid molecule encoding PI3K regulatory subunit hypromotoria search molecule encoding PI3K regulatory subunit coligonucleotide comprises at least one modified. The antisense oligonucleotide comprises at least one modified internucleoside linkage i.e. a phosphorothioate linkage, at least one modified sugar moiety, preferably a 2-0-methoxyethyl sugar moiety, or at least one modified nucleobase comprising a 5-methyloytosine. The antisense compounds are useful for modulating the expression of PI3K regulatory subunit 4, p150 and for preventing or treating hyperproliferative disorders and metabolic disorders. These may also be used in research and diagnostics and in preventing or delaying infection or inflammation. This sequence
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Human P13K regulatory subunit 4, p150 DNA antisense oligonucleotide #78.
useful for modulating the expression of PI3K regulatory subunit 4, p150 and for preventing or treating hyperproliferative disorders (i.e. cancer), Chediak-Higashi syndrome, neurodegenerative disorders and metabolic disorders. These may also be used in research and disgnostics and in preventing or delaying infection or inflammation. This sequence represents an antisense oligonucleotide of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human, phosphoinositide-3-kinase regulatory subunit 4; p150; p118k; p13 kinase; ss; antisense oligonucleotide; phosphorothioate linkage; 2'-0-methoxyethyl sugar moiety; 5-methoxyetosine; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; neurodegenerative disorder; metabolic disorders; inflammation; cytostatic; immunomodulator; neurodegenerative; antimicrobial;
                                                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         New antisense oligonucleotides inhibiting the expression of phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for preventing or treating diseases associated with the subunit, e.g.
                                                                                                                                                                                                                         ö
                                                                                                                                                                              Score 20; DB 1; Length 20;
Pred. No. 1.4e+02;
                                                                                                                                                                                                                       0, Indels
                                                                                                                                         Sequence 20 BP; 7 A; 4 C; 5 G; 4 T; 0 U; 0 Other;
                                                                                                                                                                                                100.0%; Pred. AND Trive 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Example 15; SEQ ID NO 88; 62pp; English.
                                                                                                                                                                                                                                                                4761 CTGTTTCATGACTGACTGAC 4780
                                                                                                                                                                                                                                                                                            CIGILITIALGACIGACIGAC 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       hyperproliferative disorders.
                                                                                                                                                                                                                                                                                                                                                                                                     ADH26753 standard; DNA; 20 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     31-MAY-2002; 2002US-00160786.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        31-MAY-2002; 2002US-00160786.
                                                                                                                                                                                      0.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   11-MAR-2004 (first entry)
                                                                                                                                                                                                                           Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (ISIS-) ISIS PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WPI; 2004-051923/05.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Dobie KW;
                                                                                                                                                                                                    Local Similarity
ses 20; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               antiinflammatory
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US2003225013-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Homo sapiens
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                                                                                                                                                                                                                                                                                                                                                                                                                                              ADH26753;
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                                                                                                                                                                                        Query Match
                                                                                                                                                                                                                                                                                                                                                                    RESULT 120
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Length 20,

Query Match

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Gaps

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Human; phosphoinositide-3-kinase regulatory subunit 4; p150, P13K; P13 kinase; ds; antisense oligonucleotide; phosphorothioate linkage; 2'-O-methoxyethyl sugar moiety; 5-methylcyrosine; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; neurodegenerative disorder; metabolic disorders; inflammation; cytostatic; immunomodulator; neurodegenerative; antimicrobial;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         New antisense oligonucleotides inhibiting the expression of phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for preventing or treating diseases associated with the subunit, e.g. hyperproliferative disorders.
                                                                                                                                                                                                                                           Human PI3K regulatory subunit 4, p150 DNA target region #35.
                                           Length 20;
represents an antisense oligonucleotide of the invention.
                                                                  0; Indels
                     Sequence 20 BP; 8 A; 3 C; 5 G; 4 T; 0 U; 0 Other;
                                           Score 20; DB 1; I
Pred. No. 1.4e+02;
                                    0.4%; Sco.
100.0%; Pred. No. 1.
                                                                                        CTIATGCATCTCTTTGCAAG 4842
                                                                                                             criargcarcriridcaag 1
                                                                                                                                                                      ADH26788 standard; DNA; 20 BP
                                                                                                                                                                                                                                                                                                                                                                                                                              31-MAY-2002; 2002US-00160786.
                                                                                                                                                                                                                                                                                                                                                                                                                                                    31-MAY-2002; 2002US-00160786.
                                                                                                                                                                                                                    (first entry)
                                                   Local Similarity 100.
nes 20; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (ISIS-) ISIS PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Freier SM, Dobie KW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WPI; 2004-051923/05.
                                                                                                                                                                                                                                                                                                                                      antiinflammatory
                                                                                                                                                                                                                                                                                                                                                                                  US2003225013-A1
                                                                                                                                                                                                                    11-MAR-2004
                                                                                                                                                                                                                                                                                                                                                             Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                        04-DEC-2003
                                                                                        4823
                                                                                                             20
                                                                                                                                                                                             ADH26788;
                                             Query Match
                                                                                                                                                 RESULT 121
                                                                  Matches
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The invention relates to a compound targeted to a nucleic acid molecule encoding human phosphoinositide-3-kinase (P13K) regulatory subunit 4, p150. The compound is an antisense oligonucleotide that specifically hybridises with a nucleic acid molecule encoding P13K regulatory subunit 4, p150 and inhibits expression of the polypeptide. The antisense oligonucleotide comprises at least one modified internucleoside linkage i.e. a phosphorothioate linkage, at least one modified sugar moiety, preferably a 2'-0-methoxyethyl sugar moiety, or at least one modified nucleobase comprising the expression of P13K regulatory subunit 4, p150 and for preventing the expression of P13K regulatory subunit 4, p150 and for preventing or treating hyperproliferative disorders and metabolic disorders. These may also be used in research and diagnostics and in preventing or delaying infection or inflammation. This sequence represents a P13K regulatory subunit 4, p150 DNA antisense Example 15; SEQ ID NO 123; 62pp; English.

Sequence 20 BP; 8 A; 3 C; 6 G; 3 T; 0 U; 0 Other;

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                       Gaps
                                                                                                                                                                                                                    Human; phosphoinositide-3-kinase regulatory subunit 4; p150; P13K; P13 kinase; ds; antisense oligonucleotide; phosphorothioate linkage; 2'-O-methoxyethyl sugar moiety; 5-methyloytosine; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; neurodegenerative disorder; metabolic disorders; inflammation; cytostatic; immunomodulator; neurodegenerative; antimicrobial;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 New antisense oligonucleotides inhibiting the expression of phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for preventing or treating diseases associated with the subunit, e.g. hyperproliferative disorders.
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                                                                                                                                                                                                Human PI3K regulatory subunit 4, p150 DNA target region #36.
                     Indele
 DB 1; Le
0.4%; Score 20; DB
100.0%; Pred. No. 1.4
ive 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Example 15; SEQ ID NO 124; 62pp; English
                                              CTGG 2932
                                                                   1 AGAGGAAGACAAACTICTGG 20
                                                                                                                            BP.
                                                                                                                                                                                                                                                                                                                                                                                      31-MAY-2002; 2002US-00160786.
                                                                                                                                                                                                                                                                                                                                                                                                            31-MAY-2002; 2002US-00160786
                                                                                                                           ADH26789 standard; DNA; 20
                                                                                                                                                                         (first entry)
                                              2913 AGAGGAAGACAAACTT
                     Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                   (ISIS-) ISIS PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                          Freier SM, Doble KW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WPI; 2004-051923/05.
         Best Local Similarity
Matches 20, Conserv
                                                                                                                                                                                                                                                                                              antiinflammatory.
                                                                                                                                                                                                                                                                                                                                         US2003225013-A1.
                                                                                                                                                                                                                                                                                                                    Homo sapiens.
                                                                                                                                                                         11-MAR-2004
                                                                                                                                                                                                                                                                                                                                                                04-DEC-2003
                                                                                                                                                   ADH26789;
                                                                                                     RESULT 122
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The invention relates to a compound targeted to a nucleic acid molecule encoding human phosphoinositide-3-kinase (PI3K) regulatory subunit 4, p150 The compound is an antisense oligonuclectide that specifically hybridises with a nucleic acid molecule encoding PI3K regulatory subunit 4, p150 and inhibits expression of the polypeptide. The antisense oligonuclectide comprises at least one modified internucleoside linkage i.e. a phosphorothicate linkage, at least one modified sugar moiety, preferably a 2'-O-methoxyethyl sugar moiety, or at least one modified consciounds are useful for modulating the expression of F13K regulatory subunit 4, p150 and for preventing or treating hyperproliferative disorders and conference of the production of p13K regulatory subunit 4, p150 and for preventing or treating hyperproliferative disorders and metabolic disorders. These may also be used in research and diagnostics metabolic disorders. These may also be used in research and diagnostics captered a P13K regulatory subunit 4, p150 DNA antisense oligonucleotide target region of the invention.

Sequence 20 BP; 7 A; 2 C; 5 G; 6 T; 0 U; 0 Other;

Gaps ö 0.4%; Score 20; DB 1; Length 20; 100.0%; Pred. No. 1.4e+02; ative 0; Mismatches 0; Indels Conservative Query Match Best Local Similarity Matches 20; Conserv

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The invention relates to a compound targeted to a nucleic acid molecule encoding human phosphoinositide-3-kinase (PIJK) regulatory subunit 4, p150 The compound its an antisense oligomucleotide that specifically hybridises with a nucleic acid molecule encoding PIJK regulatory subunit 4, p150 and inhibits expression of the polypeptide. The antisense oligomucleotide comprises at least one modified internucleoside linkage i.e. a phosphorothioate linkage, at least one modified sugar molety, preferably a 2'-0-methoxyethyl sugar molety, or at least one modified nucleobase comprising the expression of PIJK regulatory subunit 4, p150 and for preventing the expression of PIJK regulatory subunit 4, p150 and for preventing or treating hyperproliferative disorders and methodic disorders. These may also be used in research and diagnostics and in preventing or delaying infection or inflammation. This sequence represents a PIJK regulatory subunit 4, p150 DNA antisense
                                                                                                                                                                                                                                                                            Human; phosphoinositide-3-kinase regulatory subunit 4; p150; p13K; p13 kinase; ds; antisense oligonucleotide; phosphorothioate linkage; 2'-0-methoxyethyl sugar moiety; 5-methylcytosine; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; neurodegenerative disorder; metabolic disorders; inflammation;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             New antisense oligonucleotides inhibiting the expression of phosphoinositide-3-kinase, regulatory subunit 4, pls0, useful for preventing or treating diseases associated with the subunit, e.g.
                                                                                                                                                                                                                                                                                                                                                                          immunomodulator; neurodegenerative; antimicrobial
                                                                                                                                                                                                                                       Human PI3K regulatory subunit 4, p150 DNA target region #49.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0.4%; Score 20; DB 1; Length 20;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 20 BP; 2 A; 8 C; 3 G; 7 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Example 15; SEQ ID NO 137; 62pp; English.
3009 TCAGAAAGGTGTAATTGACT 3028
                                     20
                     1 TCAGAAAGGTGTAATTGACT
                                                                                                                             ADH26802 standard; DNA; 20 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           31-MAY-2002; 2002US-00160786.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  31-MAY-2002; 2002US-00160786.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        hyperproliferative disorders.
                                                                                                                                                                                                      11-MAR-2004 (first entry)
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Best Local Similarity 100.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ISIS-) ISIS PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Dobie KW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WPI; 2004-051923/05.
                                                                                                                                                                                                                                                                                                                                                                                            antiinflammatory
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US2003225013-A1,
                                                                                                                                                                                                                                                                                                                                                                                                                                 Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                            cytostatic;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        04-DEC-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Freier SM,
                                                                                                                                                                    ADH26802;
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The invention relates to a compound targeted to a nucleic acid molecule encoding human phosphoinositide-3-kinase (PI3K) regulatory subunit 4, p150. The compound its an antisense oligonucleotide that specifically hybridises with a nucleic acid molecule encoding PI3K regulatory subunit 4, p150 and inhibits expression of the polypeptide. The antisense oligonucleotide comprises at least one modified internucleoside linkage i.e. a phosphorothioate linkage, at least one modified sugar moiety, preferably a 2'0-methoxyethyl sugar moiety, or at least one modified in ucleic modulating a 5-methylcytosine. The antisense compounds are useful for modulating the expression of PI3K regulatory subunit 4, p150 and for preventing or treating hyperproliferative disorders and metabolic disorders. These may also be used in research and diagnostics and in preventing or delaying infection or inflammation. This sequence represents an antisense oligonucleotide of the invention.
                                                                                                                     Human PI3K regulatory subunit 4, p150 DNA antisense oligonucleotide #14.
                                                                                                                                                       Human, phosphoinositide-3-kinase regulatory subunit 4; p150; P13K; P13 kinase; ss; antisense oligonucleotide; phosphorothioate linkage; 2'-O-methoxyethyl sugar moiety; 5-methyloycosine; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; neurodegenerative disorder; metabolic disorders; inflammation; cytostatic; immunomodulator; neurodegenerative; antimicrobial;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          New antisense oligonucleotides inhibiting the expression of phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for preventing or treating diseases associated with the subunit, e.g.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   0.4%; Score 20; DB 1; Length 20; 00.0%; Pred. No. 1.4e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 20 BP; 6 A; 2 C; 7 G; 5 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Example 15; SEQ ID NO 24; 62pp; English.
ADH26689 standard; DNA; 20 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         hyperproliferative disorders.
                                                                                                                                                                                                                                                                                                                                                                                                                                         31-MAY-2002; 2002US-00160786.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   31-MAY-2002; 2002US-00160786.
                                                                               11-MAR-2004 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (ISIS-) ISIS PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Dobie KW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WPI; 2004-051923/05.
                                                                                                                                                                                                                                                                                  antiinflammatory.
                                                                                                                                                                                                                                                                                                                                                              US2003225013-A1.
                                                                                                                                                                                                                                                                                                                        Homo sapiens
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                                         ADH26689;
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Gaps

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0; Indels

100.0%; Preα.... tive 0; Mismatches

Local Similarity 100. Les 20; Conservative

Best Loca Matches

ò 셤 ADH26721 standard; DNA; 20 BP.

ADH26721/c ID ADH267 XX

RESULT 125

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Gaps

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1.4e+02;

100.0%; Prec. ...

3991 GGCCTCATCACTTCCTTTGC 4010

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Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                               The invention relates to a compound targeted to a nucleic acid molecule encoding human phosphoinositide-3-kinase (PT3K) regulatory subunit 4, p150. The compound is an antisense oligonuclectide that specifically hybridises with a nucleic acid molecule encoding PT3K regulatory subunit 6, p150 and inhibits expression of the polypeptide. The antisense oligonuclectide comprises at least one modified internucleoside linkage i.e. a phosphorothioate linkage, at least one modified sugar moiety, preferably a 2'-0-methoxyethyl sugar moiety, or at least one modified nucleobase comprising a 5-methylcytosine. The antisense compounds are nucleobase comprising the expression of PT3K regulatory subunit 4, p150 and for preventing or treating hyperproliferative disorders and cancer), Chediak-Higashi syndrome, neurodegenerative disorders and metabolic disorders. These may also be used in research and diagnostics and in preventing or delaying infection or inflammation. This sequence represents an antisense oligonucleotide of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Human P13K regulatory subunit 4, p150 DNA antisense oligonucleotide #61.
                                                 Human PI3K regulatory Bubunit 4, p150 DNA antiBense oligonucleotide #46.
                                                                      Human; phosphoinositide-3-kinase regulatory subunit 4; p150; p13K; p13 kinase; ss; antisense oligonucleotide; phosphorothioate linkage; 2'-O-methoyyethyl sugar molety; 5-methylycytosine; hyperproliferative disorder; cancer; Chedlak-Higashi syndrome; neurodegenerative disorder; metabolic disorders; inflammation; cytostatic; immunomodulator; neurodegenerative; antimicrobial;
                                                                                                                                                                                                                                                                                                                                                                             New antisense oligonucleotides inhibiting the expression of phosphoinositide-1-kinase, regulatory subunit 4, p150, useful for preventing or treating diseases associated with the subunit, e.g. hyperproliferative disorders.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0.4%; Score 20; DB 1; Length 20;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 20 BP; 6 A; 5 C; 2 G; 7 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Pred. No. 1.4e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Example 15; SEQ ID NO 56; 62pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               3009 TCAGAAAGGTGTAATTGACT 3028
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                                                                                                                                                                                                                                                                           31-MAY-2002; 2002US-00160786.
                                                                                                                                                                                                                                                 31-MAY-2002, 2002US-00160786.
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                          (first entry)
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                                                                                                                                                                                                                                                                                                    (ISIS-) ISIS PHARM INC
                                                                                                                                                                                                                                                                                                                             Freier SM, Dobie KW;
                                                                                                                                                                                                                                                                                                                                                     WPI; 2004-051923/05.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Local Similarity
                                                                                                                                       cytostatic; immu
antiinflammatory
                                                                                                                                                                                                   US2003225013-A1.
                                                                                                                                                                           Homo sapiens.
                          11-MAR-2004
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                                                                                                                                                                                                                          04-DEC-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       20;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT 120
ADH26736/C
ID ADH20
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AC ADH20
XX
DT 11-M4
XX
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The invention relates to a compound targeted to a nucleic acid molecule encoding human phosphoinositide-3-kinase (PI3K) regulatory subunit 4, p. 150. The compound is an antisense oligonucleotide that specifically hybridises with a nucleic acid molecule encoding PI3K regulatory subunit 4, p150. The compound is expression of the polypeptide. The antisense oligonucleotide comprises at least one modified internucleoside linkage i.e. a phosphorothioate linkage, at least one modified sugar molety, preferably a 2'-O-methoxyethyl sugar moiety, or at least one modified nucleobase comprising a 5-methylcytosine. The antisense compounds are useful for modulating the expression of PI3K regulatory subunit 4, p150 and for preventing or treating hyperproliferative disorders (i.e. cancer), Chediak-Higashi syndrome, neurodegenerative disorders and metabolic disorders. These may also be used in research and diagnostics and in preventing or delaying infection or inflammation. This sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gарв
Human; phosphoinositide-3-kinase regulatory subunit 4; p150; P13K; P13 kinase; ss; antisense oligonucleotide; phosphorothioate linkage; 2'-O-methoxyethyl augar moiety; 5-methylcycosine; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; neurodegenerative disorder; metabolic disorders; inflammation; cytostatic; immunomodulator; neurodegenerative; antimicrobial;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human; phosphoinositide-3-kinase regulatory subunit 4; p150; P13K; P13 Kinase; ds; antisense oligonucleocide; phosphorothioate linkage; 2.-0-methoxyethyl sugar moiety; 5-methylcytosine; hyperproliferative disorder; cancer; Chediak-Higashi syndrome;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 New antisense oligonucleotides inhibiting the expression of phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for preventing or treating diseases associated with the subunit, e.g.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ö
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 represents an antisense oligonucleotide of the invention.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       hyperproliferative disorders.
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                                                                                                                                                                                                                                    antiinflammatory.
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                                                                                                                                                                                                                                                                                                           Homo sapiens
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Homo sapiens.

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The invention relates to a compound targeted to a nucleic acid molecule encoding human phosphoinositide-3-kinase (PI3K) regulatory subunit 4, p150 p150. The compound is an antisense oligonucleotide that specifically thoridises with a nucleic acid molecule encoding PI3K regulatory subunit 4, p150 and inhibits expression of the polypeptide. The antisense oligonucleotide comprises at least one modified internucleoside linkage i.e. a phosphorothicate linkage, at least one modified sugar moiety, preferably a 2'-0-methoxyethyl sugar moiety, or at least one modified nucleobase comprising the expression of F13K regulatory subunit 4, p150 and for preventing or treating hyperproliferative disorders and cancer). Chediak-Higashi syndrome, neurodegenerative disorders and metabolic disorders. These may also be used in research and diagnostics and in preventing or delaying infection or inflammation. This sequence represents a P13K regulatory subunit 4, p150 DNA antisense
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
                                                                                                                                                                                                                                                                                                                                                                                 New antisense oligonucleotides inhibiting the expression of phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for preventing or treating diseases associated with the subunit, e.g. hyperproliferative disorders.
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neurodegenerative disorder; metabolic disorders; inflammation; cytostatic; immunomodulator; neurodegenerative; antimicrobial;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 0.4%; Score 20; DB 1; Length 20; Best Local Similarity 100.0%; Pred. No. 1.4e+02; Matches 20; Conservative 0; Mismatches 0; Indels
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hes 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Example 15; SEQ ID NO 100; 62pp; English.
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                                                                                                                                                                                                                                                                                 (ISIS-) ISIS PHARM INC.
                                                                                                                                                                                                                                                                                                                      Freier SM, Dobie KW;
                                                                                                                                                                                                                                                                                                                                                         WPI; 2004-051923/05.
                                              antiinflammatory.
                                                                                                                          US2003225013-A1.
                                                                                     Homo sapiens.
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The invention relates to a compound targeted to a nucleic acid molecule encoding human phosphoinositide-3-kinase (P13K) regulatory subunit 4, p150. The compound is an antisense oligonucleotide that specifically hyptidises with a nucleic acid molecule encoding P13K regulatory subunit 4, p150 and inhibits expression of the polypeptide. The antisense oligonucleotide comprises at least one modified internucleoside linkage i.e. a phosphorothioate linkage, at least one modified sugar moiety, preferably a 2'-O-methoxyethyl sugar moiety, or at least one modified nucleobase comprising a 5-methylcytosine. The antisense compounds are uneful for modulating the expression of F13K regulatory subunit 4, p150 and for preventing or treating hyperproliferative disorders and cancer). Chediak-Higashi syndrome, neurodegenerative disorders and metabolic disorders. These may also be used in research and diagnostics and in preventing or delaying infection or inflammation. This sequence represents a P13K regulatory subunit 4, p150 DNA antisense
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human; phosphoinositide-3-kinase regulatory subunit 4; p150; P13K; P13 kinase; ds; antisense oligonuclectide; phosphorothioate linkage; 2'-O-methoxyethyl sugar moiety; 5-methylcytosine; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; neurodegenerative disorder; metabolic disorder; inflammation; cytostatic; immunomodulator; neurodegenerative; inminomodulator; neurodegenerative; antimicrobial; antiniflammatory.
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                                                                                                                                                                                                                                                                                New antisense oligonucleotides inhibiting the expression of phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for preventing or treating diseases associated with the subunit, e.g.
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                                                                                                                                                                                                                                                                                                                                          hyperproliferative disorders.
                                                                                                   31-MAY-2002; 2002US-00160786
                                                                                                                                        31-MAY-2002; 2002US-00160786
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es 20; Conservative
                                                                                                                                                                            (ISIS-) ISIS PHARM INC.
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                                                                   04-DEC-2003
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                                                                                                                                                                                                                                                                                                                                                                                                                                                             1.e. a phosphorothicate linkage, at least one modified sugar molety, preferably a 2'-O-methoxyethyl sugar molety, or at least one modified nucleobase comprising a 5-methylcytosine. The antisense compounds are useful for modulating the expression of PI3K regulatory subunit 4, p150 and for preventing or treating hyperproliferative disorders (i.e. cancer), Chediak-Higashi syndrome, neurodegenerative disorders and metabolic disorders. These may also be used in research and diagnostics and in preventing or delaying infection or inflammation. This sequence represents a PI3K regulatory subunit 4, p150 DNA antisense oligonucleotide target region of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Human; phosphoinositide-3-kinase regulatory subunit 4; p150; P13K; P13 kinase; ds; antisense oligonucleotide; phosphorothioate linkage; 2'-O-methoxyethyl sugar molety; 5-methylcytosine; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; neurodegenerative disorder; metabolic disorders; inflammation; cytostatic; immunomodulator; neurodegenerative; antimicrobial;
                                                                                                                                                                                                                      New antisense oligonucleotides inhibiting the expression of phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for preventing or treating diseases associated with the subunit, e.g.
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                                                                                                                                                                                                                                                                                                               Example 15; SEQ ID NO 109; 62pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1658 AAAAAGCCGAAGGAGGCCT 1677
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             hyperproliferative disorders.
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                                    31-MAY-2002; 2002US-00160786.
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                                                                         31-MAY-2002; 2002US-00160786
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20; Conservative
                                                                                                            (ISIS-) ISIS PHARM INC
                                                                                                                                               Dobie KW;
                                                                                                                                                                                   WPI; 2004-051923/05.
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 04-DEC-2003
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                                                                                                                                                 Freier SM,
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The invention relates to a compound targeted to a nucleic acid molecule encoding human phosphoinositide-3-kinase (PI3K) regulatory subunit 4, p150. The compound is an antisense oligonucleotide that specifically hybridises with a nucleic acid molecule encoding PI3K regulatory subunit 4, p150 and inhibits expression of the polypeptide. The antisense oligonucleotide comprises at least one modified. The antisense of i.e. a phosphorothioate linkage, at least one modified sugar moiety, preferably a 2'-O-methoxyethyl sugar moiety, or at least one modified nucleobase.comprising a 5-methylcytosine. The antisense compounds are useful for modulating the expression of PI3K regulatory subunit 4, p150 and for preventing or treating hyperproliferative disorders and metabolic disorders. These may also be used in research and diagnostics and in preventing or delaying infection or inflammation. This sequence represents a P13K regulatory subunit 4, p150 DNA antisense
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
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                                                                                                                                            New antisense oligonucleotides inhibiting the expression of phosphoinositide-31-kinase, regulatory subunit 4, p150, useful for preventing or treating diseases associated with the subunit, e.g. hyperproliferative disorders.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           100.0%; Pred. No. 1.4 ive 0; Mismatches
                                                                                                                                                                                                                                          Example 15; SEQ ID NO 113; 62pp; English
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31-MAY-2002; 2002US-00160786.
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                                   (ISIS-) ISIS PHARM INC.
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                                                                        Dobie KW;
                                                                                                         WPI; 2004-051923/05.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Best Local Similarity
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                                                                        Freier SM,
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                                                                                                                       The invention relates to a compound targeted to a nucleic acid molecule encoding human phosphoinositide-3-kinase (PI3K) regulatory subunit 4, pls0 The compound is an antisense oligonucleotide that specifically hybridises with a nucleic acid molecule encoding PI3K regulatory subunit 4, pls0 and inhibits expression of the polypeptide. The antisense oligonucleotide comprises at least one modified internucleoside linkage i.e. a phosphorothicate linkage, at least one modified sugar moiety, preferably a 2'-O-methoxyethyl sugar moiety, or at least one modified nucleobase comprising a 5-methylytosine. The antisense compounds are uneflowed for preventing or treating hyperproliferative disorders and confort indead in syndrome, neurodegenerative disorders and metabolic disorders. These may also be used in research and diagnostics and in preventing or delaying infection or inflammation. This sequence represents a PI3K regulatory subunit 4, pls0 DNA antisense
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                                            New antisense oligonucleotides inhibiting the expression of phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for preventing or treating diseases associated with the subunit, e.g.
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100.0%; Pred. No. 1.40+02;
tive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                               Sequence 20 BP; 5 A; 3 C; 5 G; 7 T; 0 U; 0 Other;
                                                                                                       Example 15; SEQ ID NO 117; 62pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                      2524 GITTACGAATITGCCAGTGA 2543
                                                                                                                                                                                                                                                                                                                                                                                                                    BP.
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                                                                                 hyperproliferative disorders.
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                                                                                                                                                                                                                                                                                                                                                                                20; Conservative
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                         WPI; 2004-051923/05.
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Matches 20; Conserv
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    Freier SM,
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ADH26785
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The invention relates to a compound targeted to a nucleic acid molecule encoding human phosphoinositide-3-kinase (PI3K) regulatory subunit 4, p150. The compound is an antisense oligonucleotide that specifically thy p150 and inhibits expression of the polypeptide. The antisense oligonucleotide comprises at least one modified internucleoside linkage oligonucleotide comprises at least one modified sugar moiety, preferably a 2'-O-methoxyethyl sugar moiety, or at least one modified one modified compounds are nucleobase comprising a 5-methylcytosine. The antisense compounds are useful for modulating the expression of P13K regulatory subunit 4, p150 and for preventing or treating hyperproliferative disorders and metabolic disorders. These may also be used in research and diagnostics metabolic disorders. These may also be used in research and diagnostics and in preventing or delaying infection or inflammation. This sequence represents a P13K regulatory subunit 4, p150 DNA antisense
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                                                                   e.g.
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                        phosphoinostride-3-kinase, regulatory subunit 4, p150, useful preventing or treating diseases associated with the subunit, e
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New antisense oligonucleotides inhibiting the expression of
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100.0%; Pred. No. 1.4e+02;
ive 0; Mismatches 0;
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                                                                                                         hyperproliferative disorders.
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Best Local Similarity
Matches 20; Conserv
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RESULT 135
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                                                                             The invention relates to a compound targeted to a nucleic acid molecule encoding human phosphoinositide-3-kinase (F13K) regulatory subunit 4, plso. The compound is an antisense oligonucleotide that specifically hybridises with a nucleic acid molecule encoding P13K regulatory subunit 4, plso and inhibits expression of the polypeptide. The antisense oligonucleotide comprises at least one modified internucleoside linkage i.e. a phosphorothioate linkage, at least one modified sugar moiety, preferably a 2'-O-methoxyethyl sugar moiety, or at least one modified nucleobase comprising a 5-methyloytosine. The antisense compounds are useful for modulating the expression of P13K regulatory subunit 4, plso and for preventing or treating hyperproliferative disorders and metabolic disorders. These may also be used in research and diagnostics metabolic disorders. These may also be used in research and diagnostics end in preventing or delaying infection or inflammation. This sequence represents a P13K regulatory subunit 4, plso DNA antisense
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Pred. No. 1.4e+02;
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100.0%; Pred. No....
0; Mismatches
                           Example 15; SEQ ID NO 134; 62pp; English.
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Local St.
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encoding human phosphoinositide-1-kinase (PI3K) regulatory subunit 4, pl50. The compound is an antisense oligonucleotide that specifically converse and inhibits expression of the polypeptide. The antisense oligonucleotide with a nucleic acid molecule encoding PI3K regulatory subunit 4, pl50 and inhibits expression of the polypeptide. The antisense oligonucleotide comprises at least one modified internucleoside linkage i.e. a phosphorothioate linkage, at least one modified sugar molety, preferably a 2'-O-methoxyethyl sugar molety, or at least one modified nucleobase comprising a 5-methylcytosine. The antisense compounds are useful for modulating the expression of Fil3K regulatory subunit 4, pl50 and for preventing or treating hyperproliferative disorders and metablic disorders. These may also be used in research and diagnostics and in preventing or delaying infection or inflammation. This sequence represents a FIRK regulatory subunit 4, pl50 DNA antisense
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1.4e+02;
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100.0%; Pred. No.
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Best Local Similarity 100....
Local Similarity 100...
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human PI3K regulatory subunit 4, p150 DNA antisense oligonucleotide #11.
                i.e. a phosphorothicate linkage, at least one modified sugar molety, preferably a 2'-O-methoxyethyl sugar molety, or at least one modified uncleobase comprising a 5-methylytosine. The antisense compounds are useful for modulating the expression of PI3K regulatory subunit 4, pl50 and for preventing or treating hyperproliferative disorders (i.e. cancer), Chediak-Higashi syndrome, neurodegenerative disorders and metabolic disorders. These may also be used in research and diagnostics and in preventing or delaying infection or inflammation. This sequence represents a PI3K regulatory subunit 4, pl50 DNA antisense oligonucleotide target region of the invention.
oligonucleotide comprises at least one modified internucleoside linkage
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Human; phosphoinositide-3-kinase regulatory subunit 4; p150; P13K; p13 kinase; ss; antisense oligonucleotide; phosphorothioate linkage; 2'-O-methoxyethyl sugar molety; 5-methylcytosine; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; neurodegenerative disorder; metabolic disorders; inflammation; cytostatic; immunomodulator; neurodegenerative; antimicrobial;
                                                                                                                                                                                                                                                                                                                                                                          Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               New antisense oligonucleotides inhibiting the expression of
                                                                                                                                                                                                                                                                                                                     0.4%; Score 20; DB 1; Length 20; 100.0%; Pred. No. 1.4e+02; rive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                            Sequence 20 BP; 3 A; 4 C; 6 G; 7 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Example 15; SEQ ID NO 21; 62pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                      4050 CAGTGGTACCATGGCTTGTT 4069
                                                                                                                                                                                                                                                                                                                                                                                                                                              1 CAGTGGTACCATGGCTTGTT 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADH26686 standard; DNA; 20 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                hyperproliferative disorders.
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                                                                                                                                                                                                                                                                                                                                                     1 Similarity 100.
20; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WPI; 2004-051923/05.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                antiinflammatory.
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                                                                                                                                                                                                                                                                                                                                 Query Match
                                                                                                                                                                                                                                                                                                                                                         Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            RESULT 136
                                                                                                                                                                                                                                                                                                                                                                               Matches
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The invention relates to a compound targeted to a nucleic acid molecule encoding human phosphoinositide-3-kinase (PI3K) regulatory subunit 4, production that specifically hybridises with a nucleic acid molecule encoding PI3K regulatory subunit 4, pls0 and inhibits expression of the polypeptide. The antisense oil and progrates at least one modified internucleoside linkage i.e. a phosphorothioate linkage, at least one modified sugar motety, preferably a 2'-0-methoxyethyl sugar moiety, or at least one modified compounds are useful for modulating a 5-methylotyosine. The antisense compounds are useful for modulating the expression of PI3K regulatory subunit 4, pls0 and for preventing or treating hyperproliferative disorders and metabolic disorders. These may also be used in research and diagnostics and in preventing or delaying infection or inflammation. This sequence
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Human PI3K regulatory subunit 4, p150 DNA antisense oligonucleotide #12.
useful for modulating the expression of PI3K regulatory subunit 4, p150
                                                         diagnostics
              and for preventing or treating hyperproliferative disorders (i.e. cancer), Chediak-Higashi syndrome, neurodegenerative disorders and metabolic disorders. These may also be used in research and diagnostics and in preventing or delaying infection or inflammation. This sequence represents an antisense oligonucleotide of the invention.
                                                                                                                                                                                                                    Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human; phosphoinositide-3-kinase regulatory subunit 4; p150; P13K; P13 kinase; ss; antisense oligonuclectide; phosphorothioate linkage; 2'-O-methoxyethyl sugar moiety; 5-methylcytosine; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; neurodegenerative disorder; metabolic disorders; inflammation; cytostatic; immunomodulator; neurodegenerative; antimicrobial; antinilammatory.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          New antisense oligonucleotides inhibiting the expression of phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for preventing or treating diseases associated with the subunit, e.g. hyperproliferative disorders.
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                                                                                                                                                                         / Match 0.4%; Score 20; DB 1; Length 20; Local Similarity 100.0%; Pred. No. 1.4e+02; nes 20; Conservative 0; Mismatches 0; Indels
                                                                                                                                        Sequence 20 BP; 2 A; 7 C; 3 G; 8 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Example 15; SEQ ID NO 22; 62pp; English.
                                                                                                                                                                                                                                                           GGAGGAACTGAAATCAGGC 799
                                                                                                                                                                                                                                                                                      GGAGGAACTGAAAATCAGGC 1
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                                                                                                                                                                                                                                                                                                                                                                                               ADH26687 standard; DNA; 20
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gibbs-10-667-022-4.rng

Pred. No. 1.4e+02;

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The invention relates to a compound targeted to a nucleic acid molecule encoding human phosphoinositide-3-kinase (FI3K) regulatory subunit 4, p150. The compound is an antisense oligonucleotide that specifically hybridises with a nucleic acid molecule encoding PI3K regulatory subunit 4, p150 and inhibits expression of the polypeptide. The antisense coligonucleotide comprises at least one modified internucleoside linkage i.e. a phosphorothioate linkage at least one modified sugar moiety, preferably a 2'-O-methoxyethyl sugar moiety, or at least one modified sugar moiety, preferably a 2'-O-methoxyethyl sugar moiety, or at least one modified on custom preferably a 5'-O-methoxyethyl sugar moiety, or at least one modified sugar moiety, or at least one modified succession of p13K regulatory subunit 4, p150 and for preventing or treating hyperproliferative disorders and metabolic disorders. These may also be used in research and diagnostics and in preventing or delaying infection or inflammation. This sequence represents an antisense oligonucleotide of the invention.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human; phosphoinositide-3-kinase regulatory subunit 4; p150; p13K; p13 kinase; ss; antisense oligonucleotide; phosphorothioate linkage; 2'-0-methoxyethyl sugar molety; 5-methylcytosine; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; neurodegenerative disorder; metabolic disorders; inflammation; cytostatic; immunomodulator; neurodegenerative; antimicrobial;
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represents an antisense oligonucleotide of the invention.
                                                                                                                                             Length 20;
                                                                                                                                                                                                                        0; Indels
                                                                  Sequence 20 BP; 4 A; 3 C; 5 G; 8 T; 0 U; 0 Other;
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                                                                                                                                                                                    1.4e+02;
                                                                                                                                             Score 20; DB 1;
Pred. No. 1.4e+0;
                                                                                                                     0.4%; Scc. 100.0%; Pred. No. ... 0; Mismatches
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                                                                                                                                                                                                                                                                                                  843
                                                                                                                                                                                                                                                                                                                                  CTTTCCAGAAGCATCAGAA 1
                                                                                                                                                                                                                                                                                              824 CTTTCCAGAAAGCATCAGAA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADH26699 standard; DNA; 20 BP
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                                                                                                                     Query Match
Best Local Similarity 100.0
warches 20, Conservative
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0.4%; Score 20; DB 1; Length 20;

Query Match

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The invention relates to a compound targeted to a nucleic acid molecule encoding human phosphoinositide-3-kinase (PI3K) regulatory subunit 4, p150 The compound is an antisense oligonucleotide that specifically hybridises with a nucleic acid molecule encoding PI3K regulatory subunit 4, p150 and inhibits expression of the polypeptide. The antisense oligonucleotide comprises at least one modified internucleoside linkage i.e. a phosphorothioate linkage at least one modified sugar moiety, preferably a 2'-O-methoxyethyl sugar moiety, or at least one modified or nucleobase comprising a 5-methylcytoshie. The antisense compounds are useful for modilating the expression of F13K regulatory subunit 4, p150 and for preventing or treating hyperproliferative disorders and cancer), Chediak-Higashi syndrome, neurodegenerative disorders and metabolic disorders. These may also be used in research and diagnostics and in preventing or delaying infection or infilammation. This sequence represents an antisense oligonucleotide of the invention.
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                                                                                                                                                                                                                                                                                                    Human PI3K regulatory subunit 4, p150 DNA antisense oligonucleotide #25.
                     Gaрв
                                                                                                                                                                                                                                                                                                                                      Human, phosphoinositide-3-kinase regulatory subunit 4; p150; P13K; P13 kinase; 88; antisense oligonucleotide; phosphorothioate linkage; 2'-O-methoxyethyl sugar moiety; 5-methylcytosine; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; neurodegenerative disorder; metabolic disorder; inflammation; cytostatic; immunomodulator; neurodegenerative; antimicrobial;
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                     0; Mismatches
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                                                        1414 GATCACAGTATCAGAGAATT 1433
                                                                              GATCACAGTATCAGAGAATT 1
                                                                                                                                                                                         BP
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                                                                                                                                                                                                                                                               (first entry)
                     20; Conservative
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Best Local Similarity
Matches 20; Conserv
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Human P13K regulatory subunit 4, p150 DNA antisense oligonucleotide #36.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            New antisense oligonucleotides inhibiting the expression of phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for preventing or treating diseases associated with the subunit, e.g. hyperproliferative disorders.
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ADH26711 standard; DNA; 20
                                                                                   (first entry)
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                                            ADH26711;
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                                                                                                                                                                                                                                   Human PI3K regulatory subunit 4, p150 DNA antisense oligonucleotide #30.
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                                                                                                                                                                                                                                                                           Human; phosphoinositide-3-kinase regulatory subunit 4; p150; P13K; P13 kinase; ss; antisense oligonucleotide; phosphorothioate linkage; 2'-0-methoxyethyl sugar moiety; 5-methoxyethyl sugar moiety; 5-methoxyethyl sugar moiety; 5-methoxicosine; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; neurodegenerative disorder; metabolic disorders; inflammation; cytostatic; immunomodulator; neurodegenerative; antimicrobial;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for preventing or treating diseases associated with the subunit, e.g. hyperproliferative disorders.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              antisense oligonucleotides inhibiting the expression of
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Pred. No. 1.4e+02;
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100.0%; Pred. No. ..
0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    20 AAAAAGCCGAAGGAGAGACCT 1
               20 CAGATGATTCACCGTGAGCC 1
                                                                                                                  ADH26705 standard; DNA; 20 BP
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                                                                                                                                                                                                      (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (ISIS-) ISIS PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Dobie KW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WPI; 2004-051923/05.
                                                                                                                                                                                                                                                                                                                                                                                                                      antiinflammatory
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US2003225013-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                              Homo sapiens.
                                                                                                                                                                                                      11-MAR-2004
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Freier SM,
                                                                                                                                                            ADH26705;
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The invention relates to a compound targeted to a nucleic acid molecule encoding human phosphoinositide-3-kinase (PI3K) regulatory subunit 4, plso in the invention is an antisense oligonucleotide that specifically plso and inhibits expression of the polypeptide. The antisense oligonucleotide comprises at least one modified internucleoside linkage coligonucleotide comprises at least one modified internucleoside linkage i.e. a phosphorothioate linkage, at least one modified sugar moiety, preferably a 2'-O-methoxyethyl sugar moiety, or at least one modified nucleobase comprising a 5-metholocynosine. The antisense compounds are nucleobase comprising the expression of PI3K regulatory subunit 4, plso and for preventing or treating hyperproliferative disorders (i.e. and for preventing or treating hyperproliferative disorders (i.e. and for preventing or treating hyperproliferative disorders and and in preventing or delaying infection or inflammation. This sequence and in preventing or delaying infection or inflammation. This sequence
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100.0%; Pred. No. 1.4e+02;
tive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 20 BP; 4 A; 3 C; 4 G; 9 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  2131 CCAAATGGAAATTATGACAC 2150
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         11-MAR-2004 (first entry)
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ses 20; Conservative
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RESULT 141 ADH26711/c

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      regulatory subunit
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         The invention relates to a compound targeted to a nucleic acid molecule encoding human phosphoinositide-3-kinase (PI3K) regulatory subunit 4, p150. The compound is an antisense oligonuclectide that specifically hybridises with a nucleic acid molecule encoding PI3K regulatory subunit 4, p150 and inhibits expression of the polypeptide. The antisense oligonucleotide comprises at least one modified internucleoside linkage i.e. a phosphorothioate linkage, at least one modified internucleoside linkage preferably a 2-0-methoxyethyl sugar moiety, or at least one modified nucleobase comprising a 5-methylcytosine. The antisense compounds are useful for modulating the expression of PI3K regulatory subunit 4, p150 and for preventing or treating hyperproliferative disorders (i.e. cancer), Chedlak-Higashi syndrome, neurodegenerative disorders and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     cancer), Chediak-Higashi syndrome, neurodegenerative disorders and metabolic disorders. These may also be used in research and diagnostics and in preventing or delaying infection or inflammation. This sequence represents a PI3K regulatory subunit 4, p150 DNA antisense oligonucleotide target region of the invention.
                                       Human; phosphoinositide-3-kinase regulatory subunit 4; p150; p13K; P13 kinase; ds; antiense oligonucleotide; phosphorothioate linkage; 2'-0-methoxyethyl sugar moiety; 5-methylcytosine; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; neurodegenerative disorder; metabolic disorders; inflammation;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Human; phosphoinositide-3-kinase regulatory subunit 4; p150; PI3K;
                                                                                                                                                                                                                                                                                                                                                                                                      phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for preventing or treating diseases associated with the subunit, e.g.
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                                                                                                                cytostatic; immunomodulator; neurodegenerative; antimicrobial;
               Human PI3K regulatory subunit 4, p150 DNA target region #10.
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                                                                                                                                                                                                                                                                                                                                                                                          New antisense oligonucleotides inhibiting the expression of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 20; DB 1; Length 20;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 20 BP; 6 A; 3 C; 7 G; 4 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Pred. No. 1.4e+02;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                Example 15; SEQ ID NO 98; 62pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               GGCAGTATGTGCGAGACAAT 894
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          GGCAGTATGTGCGAGACAAT 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADH26783 standard; DNA; 20 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                      hyperproliferative disorders.
                                                                                                                                                                                                                                             31-MAY-2002; 2002US-00160786
                                                                                                                                                                                                                                                                          31-MAY-2002; 2002US-00160786
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0.4%;
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nes 20; Conservative
                                                                                                                                                                                                                                                                                                     (ISIS-) ISIS PHARM INC
                                                                                                                                                                                                                                                                                                                                 Dobie KW;
                                                                                                                                                                                                                                                                                                                                                              WPI; 2004-051923/05.
                                                                                                                            antiinflammatory.
                                                                                                                                                                                     US2003225013-A1
                                                                                                                                                          Homo sapiens
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ID ADH2
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The invention relates to a compound targeted to a nucleic acid molecule encoding human phosphoinositide-3-kinase (PI3K) regulatory subunit 4, p150 p150. The compound is an antisense oligonucleotide that specifically hybridises with a nucleic acid molecule encoding PI3K regulatory subunit 4, p150 and inhibits expression of the polypeptide. The antisense oligonucleotide comprises at least one modified. The antisense compounds at least one modified sugar moiety, preferably a 2'-O-methoxyethyl sugar moiety, or at least one modified nucleobase comprising a 5-methylcytosine. The antisense compounds are useful for modulating the expression of PI3K regulatory subunit 4, p150 and for preventing or treating hyperproliferative disorders and metabolic disorders. These may also be used in research and diagnostics and in preventing or delaying infection or inflammation. This sequence represents a P13K regulatory subunit 4, p150 DNA antisense
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gape
PI3 kinase; ds; antisense oligonucleotide; phosphorothioate linkage;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Human; phosphoinositide-3-kinase regulatory subunit 4; p150; P13K; P13 kinase; ds; antisense oligomucleotide; phosphorothioate linkage; 2'-0-methoxyethyl sugar moiety; 5-methylcytosine; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; neurodegenerative disorder; metabolic disorders; inflammation;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             New antisense oligonucleotides inhibiting the expression of phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for preventing or treating diseases associated with the subunit, e.g.
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                         2'-O-methoxyethyl sugar mojety; 5-methylcytosine; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; neurodegenerative disorder; metabolic disorders; inflammation; cytostatic; immunomodulator; neurodegenerative; antimicrobial; antinflammatory.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        hyperproliferative disorders.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (ISIS-) ISIS PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Dobie KW;
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nes 20, Conserv
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                                                                                                                                                                                                               Homo sapiens
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Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human; phosphoinositide-3-kinase regulatory subunit 4; p150; P13K; p13 kinase; ds; antisense oligonucleotide; phosphorothioate linkage; 2'-0-methoxyethyl sugar moiety; 5-methylcytosine; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; neurodegenerative disorder; metabolic disorders; inflammation; cytostatic; immunomodulator; neurodegenerative; antimicrobial;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
                                                                                                                                                                                                                                New antisense oligonucleotides inhibiting the expression of phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for preventing or treating diseases associated with the subunit, e.g.
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 cytostatic; immunomodulator; neurodegenerative; antimicrobial; antinflammatory.
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Pred. No. 1.4e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 20 BP; 3 A; 9 C; 5 G; 3 T; 0 U; 0 Other;
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100.0%; Pred. No. ...
0; Mismatches
                                                                                                                                                                                                                                                                                                Example 15; SEQ ID NO 121; 62pp; English.
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                                                                                                                                                                                                                                                                        hyperproliferative disorders.
                                                                                                                                       31-MAY-2002; 2002US-00160786
                                                                                                               31-MAY-2002; 2002US-00160786
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Matches 20; Conservative
                                                                                                                                                               (ISIS-) ISIS PHARM INC.
                                                                                                                                                                                       Freier SM, Dobie KW;
                                                                                                                                                                                                              WPI; 2004-051923/05.
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                                                                  US2003225013-A1
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                                          Homo sapiens
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The invention relates to a compound targeted to a nucleic acid molecule encoding human phosphoinositide-3-kinase (PI3K) regulatory subunit 4, cancoding human phosphoinositide-3-kinase (PI3K) regulatory subunit 4, p150. The compound is an antisense oligonucleotide that specifically that the inventor subunit 4, p150 and inhibits expression of the polypeptide. The antisense oligonucleotide comprises at least one modified internucleoside linkage oligonucleotide comprises at least one modified sugar moiety, or at least one modified nucleobase comprising a 5-methylcytosine. The antisense compounds are nucleobase comprising the expression of F13K regulatory subunit 4, p150 useful for modilating the expression of F13K regulatory subunit 4, p150 and for preventing or treating hyperproliferative disorders and cancer). Chediak Higashi syndrome, neurodegenerative disorders and metabolic disorders. These may also be used in research and diagnostics and in preventing or delaying infection or inflammation. This sequence represents a P13K regulatory subunit 4, p150 DNA antisense
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                                                                                                                                                                                                                                                                                                                                                                                                                                          New antisense oligonucleotides inhibiting the expression of phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for preventing or treating diseases associated with the subunit, e.g. hyperproliferative disorders.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 20; DB 1; Length 20;
Pred. No. 1.4e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 20 BP; 8 A; 4 C; 3 G; 5 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0.4%; Scc...
v 100.0%; Pred. No. ...
0; Mismatches
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                                                                                                                           31-MAY-2002; 2002US-00160786.
                                                                                                                                                                                          31-MAY-2002; 2002US-00160786
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                                                                                                                                                                                                                                                                 (ISIS-) ISIS PHARM INC.
                                                                                                                                                                                                                                                                                                                                    Dobie KW;
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Matches 20; Conserv
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US2003225013-A1
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                                                                  04-DEC-2003
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(ISIS-) ISIS PHARM INC.

Preier SM, Dobie KW;

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                                                                                                                                                   New antisense oligonucleotides inhibiting the expression of phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for preventing or treating diseases associated with the subunit, e.g. hyperproliferative disorders.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human PI3K regulatory subunit 4, p150 DNA target region #59.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 20; DB 1; Length 20;
Pred. No. 1.4e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Seguence 20 BP; 9 A; 6 C; 2 G; 3 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           / Match
Local Similarity 100.0%; Pred. No. 1.3
                                                                                                                                                                                                                           Example 15; SEQ ID NO 145; 62pp; English.
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              31-MAY-2002; 2002US-00160786.
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                                         31-MAY-2002; 2002US-00160786
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (first entry)
                                                                   (ISIS-) ISIS PHARM INC
                                                                                               Dobie KW;
                                                                                                                          WPI; 2004-051923/05.
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                                                                                               Freier SM,
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The invention relates to a compound targeted to a nucleic acid molecule encoding human phosphoinositide-3-kinase (PI3K) regulatory subunit 4, p150. The compound is an antisense oligonucleotide that specifically hybridises with a nucleic acid molecule encoding PI3K regulatory subunit 4, p150 and inhibits expression of the polypeptide. The antisense coligonucleotide comprises at least one modified internucleoside linkage i.e. a phosphorothioate linkage, at least one modified sugar molety, preferably a 2'-O-methoxyethyl sugar molety, or at least one modified sugar molety, preferably a 2'-O-methoxyethyl sugar molety, or at least one modified useful for modulating the expression of F13K regulatory subunit 4, p150 and for preventing or treating hyperproliferative disorders and cancer), Chedisk-Higashi syndrome, neurodegenerative disorders and metabolic disorders. These may also be used in research and diagnostics and in preventing or delaying infection or inflammation. This sequence represents a P13K regulatory subunit 4, p150 DNA antisense
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human PI3K regulatory subunit 4, p150 DNA antisense oligonucleotide #2.
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                                                New antisense oligonucleotides inhibiting the expression of phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for preventing or treating diseases associated with the subunit, e.g.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0.4%; Score 20; DB 1; Length 20; 100.0%; Pred. No. 1.4e+02; tive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 20 BP; 4 A; 5 C; 3 G; 8 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           oligonucleotide target region of the invention.
                                                                                                                                                                                        Example 15; SEQ ID NO 147; 62pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                4823 CTTATGCATCTCTTTGCAAG 4842
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                                                                                                                                  hyperproliferative disorders.
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Best Local Similarity 100.
Matches 20; Conservative
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4PI; 2004-051923/05
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WPI; 2004-051923/05.
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                                                                                                                                                      WPI; 2004-051923/05.
                                                                                                                   antiinflammatory
                                                                                                                            US2003225013-A1.
                                                                                                                       Homo sapiens
                                                                                              11-MAR-2004
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                                                                                         ADH26694;
                                                                                RESULT 149
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The invention relates to a compound targeted to a nucleic acid molecule encoding human phosphoinositide-3-kinase (PI3K) regulatory subunit 4, p150. The compound is an antisense oligonucleotide that specifically hybridises with a nucleic acid molecule encoding PI3K regulatory subunit 4, p150 and inhibits expression of the polypeptide. The antisense oligonucleotide comprises at least one modified internucleoside linkage i.e. a phosphorothioate linkage at least one modified sugar moiety, preferably a 2'-0-methoxyethyl sugar moiety, or at least one modified in uncleabase comprising a 5-methylcytosine. The antisense compounds are useful for modulating the expression of F13K regulatory subunit 4, p150 and for preventing or treating hyperproliferative disorders (i.e. cancer), Chediak-Higashi syndrome, neurodegenerative disorders and metabolic disorders. These may also be used in research and diagnostics and in preventing or delaying infection or inflammation. This sequence represents an antisense oligonucleotide of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human PI3K regulatory subunit 4, p150 DNA antisense oligonucleotide #37.
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preventing or treating diseases associated with the subunit, e.g.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0.4%; Score 20; DB 1; Length 20;
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                                                                                Example 15; SEQ ID NO 29; 62pp; English.
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                                hyperproliferative disorders.
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les 20; Conserv
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                                                                                                                                                                                                                                       The invention relates to a compound targeted to a nucleic acid molecule encoding human phosphoinositide-3-kinase (PI3K) regulatory subunit 4, pl50. The compound is an antisense oligonuclectide that specifically hybridises with a nucleic acid molecule encoding PI3K regulatory subunit 4, pl50 and inhibits expression of the polypeptide. The antisense oligonuclectide comprises at least one modified internucleoside linkage i.e. a phosphorothioate linkage, at least one modified sugar moiety, preferably a 2'-0-methoxyethyl sugar moiety, or at least one modified nucleobase comprising a 5-methylcytosine. The antisense compounds are useful for modulating the expression of PI3K regulatory subunit 4, pl50 and for preventing or treating hyperproliferative disorders and metabolic disorders. These may also be used in research and diagnostics and in preventing or delaying infection or inflammation. This sequence represents an antisense oligonucleotide of the invention.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human PI3K regulatory subunit 4, p150 DNA antisense oligonucleotide #19.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Human; phosphoinositide-3-kinase regulatory subunit 4; p150; p13K; p13 kinase; ss; antisense oligonucleotide; phosphorothioate linkage; 2'-Omethoxyethyl sugar molety; 5-methylcytosine; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; neurodegenerative disorder; metabolic disorders; inflammation; cytostatic; immunomodulator; neurodegenerative; antimicrobial;
                                                                   New antisense oligonucleotides inhibiting the expression of phosphoinostide-3-kinase, regulatory subunit 4, p150, useful for preventing or treating diseases associated with the subunit, e.g. hyperproliferative disorders.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    New antisense oligonucleotides inhibiting the expression of phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 20; DB 1; Length 20;
Pred. No. 1.4e+02;
0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 20 BP; 6 A; 4 C; 9 G; 1 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0.4%; Scc. No. ...
v 100.0%; Pred. No. ...
0; Mismatches
                                                                                                                                                                                            Example 15; SEQ ID NO 12; 62pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 92 CGGTCTGCACTTCTCTCCCG 111
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 20 CGGTCTGCACTTCTCTCCCG 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ВР
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADH26694 standard; DNA; 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity 100.
Matches 20; Conservative
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Gaps

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0; Indels

1.4e+02;

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The invention relates to a compound targeted to a nucleic acid molecule encoding human phosphoinostide-3-kinase (FI3K) regulatory subunit 4, plso in the invention of an antisense oligonucleotide that specifically hybridises with a nucleic acid molecule encoding PI3K regulatory subunit 4, plso and inhibits expression of the polypeptide. The antisense oligonucleotide comprises at least one modified internucleoside linkage in. a phosphorothioate linkage, at least one modified sugar moiety, preferably a 2'-O-methoxyethyl sugar moiety, or at least one modified concleobase comprising a 5-methylcytosine. The antisense compounds are useful for modulating the expression of PI3K regulatory subunit 4, plso and for preventing or treating hyperproliferative disorders and cancer), Chediak-Higashi syndrome, neurodegenerative disorders and cancer), chediak-Higashi syndrome, neurodegenerative disorders and in preventing or delaying infection or inflammation. This sequence represents an antisense oligonucleotide of the invention.
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Sequence 20 BP; 4 A; 5 C; 6 G; 5 T; 0 U; 0 Other;

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Score 20; DB 1; Length 20;
Pred. No. 1.4e+02;
                0; Indels
    100.0%; Prec. ...
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               20; Conservative
       Best Local Similarity
Query Match
              Matches
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Gaps

ADH26714 standard; DNA; 20 BP RESULT 151 ADH267

(first entry) 11-MAR-2004 ADH26714;

Human P13K regulatory subunit 4, p150 DNA antisense oligonucleotide #39. Human; phosphoinositide-3-kinase regulatory subunit 4; p150; P13K; P13 kinase; ss; antieense oligonucleocide; phosphorothioate linkage; 2'-0-methoxyethyl sugar moiety; 5-methylcytosine; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; neurodegenerative disorder; metabolic disorders; inflammation; cytostatic; immunomodulator; neurodegenerative; antimicrobial;

Homo sapiens

antiinflammatory.

US2003225013-A1.

04-DEC-2003

31-MAY-2002; 2002US-00160786.

31-MAY-2002; 2002US-00160786.

(ISIS-) ISIS PHARM INC.

WPI; 2004-051923/05.

Preier SM, Dobie KW;

New antisense oligonucleotides inhibiting the expression of phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for preventing or treating diseases associated with the subunit, e.g. hyperproliferative disorders.

Example 15; SEQ ID NO 49; 62pp; English.

The invention relates to a compound targeted to a nucleic acid molecule encoding human phosphoinositide-3-kinase (P13K) regulatory subunit 4, p150. The compound is an antisense oligonucleotide that specifically, hybridises with a nucleic acid molecule encoding P13K regulatory subunit 4, p150 and inhibits expression of the polypeptide. The antisense

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             i.e. a phosphorothicate linkage, at least one modified sugar motery, preferably a 2'-0-methoxyethyl sugar motety, or at least one modified underboase comprising a 5-methyl-tyrosine. The antisense compounds are useful for modulating the expression of PI3K regulatory subunit 4, p150 and for preventing or treating hyperproliferative disorders (i.e. cancer), Chediak-Higashi syndrome, neurodegenerative disorders and metabolic disorders. These may also be used in research and diagnostics and in preventing or delaying infection or inflammation. This sequence represents an antisense oligonucleotide of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human PI3K regulatory subunit 4, p150 DNA antisense oligonucleotide #43.
oligonucleotide comprises at least one modified internucleoside linkage
                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Human; phosphoinositide-3-kinase regulatory subunit 4; p150; P13K; P13 Kinase; ss; antisense oligonucleotide; phosphorothioate linkage; P2-0-methoxyethyl sugar moiety; 5-methyloytosine; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; neurodegenerative disorder; metabolic disorders; inflammation; cytostatic; immunomodulator; neurodegenerative; antimicrobial; antihilammatory.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        New antisense oligonucleotides inhibiting the expression of phosphoinositide-3 kinase, regulatory subunit 4, p150, useful for preventing or treating diseases associated with the subunit, e.g. hyperproliferative disorders.
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                                                                                                                                                                                                                                                                               0,4%; Score 20; DB 1; Length 20; 00.0%; Pred. No. 1,4e+02;
                                                                                                                                                                                                                                                                                                                     0; Indels
                                                                                                                                                                                                                                    Sequence 20 BP; 7 A; 5 C; 3 G; 5 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                 Best Local Similarity 100.0%; pred. No. 1.4
Matches 20; Conservative 0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                  2524 GTTTACGAATTTGCCAGTGA 2543
                                                                                                                                                                                                                                                                                                                                                                                         ADH26718 standard; DNA; 20 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     31-MAY-2002; 2002US-00160786
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                                                                                                                                                                                                                                                                                 Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              RESULT 152
ADH26718/c
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The invention relates to a compound targeted to a nucleic acid molecule encoding human phosphoinositide-3-kinase (PI3K) regulatory subunit 4, p150 moment is an antisense oligonucleotide that specifically capts. The compound is an antisense oligonucleotide that specifically the invented sea with a nucleic acid molecule encoding PI3K regulatory subunit 4, p150 and inhibits expression of the polypeptide. The antisense comparises at least one modified internucleodide linkage coligonucleotide comparises at least one modified sugar moiety, preferably a 2'-0-methoxyethyl sugar moiety, or at least one modified nucleobase comprising a 5-methyloytosine. The antisense compounds are nucleobase comprising the expression of PI3K regulatory subunit 4, p150 and for preventing or treating hyperproliferative disorders (i.e. and for preventing or treating hyperproliferative disorders (i.e. cancer), Chedlak-Higashi syndrome, neurodegenerative disorders and cancer), chalorderse may also be used in research and diagnostics and in preventing or delaying infection or inflammation. This sequence represents an antisense oligonucleotide of the invention.
                                                                                                                                                                                                                     ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human PI3K regulatory subunit 4, p150 DNA antisense oligonucleotide #47.
and for preventing or treating hyperproliferative disorders (i.e. cancer), Chediak-Higashi syndrome, neurodegenerative disorders and metabolic disorders. These may also be used in research and diagnostics and in preventing or delaying infection or inflammation. This sequence represents an antisense oligonucleotide of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Human; phosphoinositide-3-kinase regulatory subunit 4; p150; P13K; p13 kinase; ss; antisense oligonucleotide; phosphorothioate linkage; 2'-O-methoxyethyl sugar moiety; 5-methoxycosine; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; neurodegenerative disorder; metabolic disorders; inflammation; cytostatic; immunomodulator; neurodegenerative; antimicrobial;
                                                                                                                                                                                                                       Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      New antisense oligonucleotides inhibiting the expression of phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for preventing or treating diseases associated with the subunit, e.g. hyperproliferative disorders.
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                                                                                                                                                                          0.4%; Score 20; DB 1; Length 20;
100.0%; Pred. No. 1.4e+02;
Live 0; Mismatches 0; Indels
                                                                                                                                 Sequence 20 BP; 3 A; 5 C; 9 G; 3 T; 0 U; 0 Other;
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                                                                                                                                                                                                                                                                  2843 GCCCTCCGCCAGAGGATCCT 2862
                                                                                                                                                                                                                                                                                              20 GCCCTCCGCCAGAGGATCCT
                                                                                                                                                                                                                                                                                                                                                                                                                        ADH26722 standard; DNA; 20 BP
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                                                                                                                                                                                   Query Match 0.4 Best Local Similarity 100. Matches 20; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (ISIS-) ISIS PHARM INC.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WPI; 2004-051923/05.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               antiinflammatory.
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The invention relates to a compound targeted to a nucleic acid molecule encoding human phosphoinositide-3-kinase (PI3K) regulatory subunit 4, cancoding human phosphoinositide-3-kinase (PI3K) regulatory subunit 4, p150. The compound is an antisense oligonucleotide that specifically conversation and inhibits expression of the polypeptide. The antisense 4, p150 and inhibits expression of the polypeptide. The antisense coligonucleotide comprises at least one modified internucleoside linkage i.e. a phosphorothioate linkage, at least one modified sugar moiety, or at least one modified preferably a 2'-O-methoxyethyl sugar moiety, or at least one modified one modified sugar moiety, or at least one modified nucleobase comprising the expression of F13K regulatory subunit 4, p150 and for preventing or treating hyperproliferative disorders and cancer), Chediak-Higashi syndrome, neurodegenerative disorders and mad in preventing or delaying infection or inflammation. This sequence represents a P13K regulatory subunit 4, p150 DNA antisense
                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                           Human; phospholnositide-3-kinase regulatory subunit 4; p150; p13K; p13 kinase; ds; antisense oligonucleotide; phosphorothioate linkage; 2'-0-methoxyethyl sugar moiety; 5-methoxyetosine; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; neurodegenerative disorder; metabolic disorders; inflammation; cytostatic; immunomodulator; neurodegenerative; antimicrobial;
                                                                            Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              New antisense oligonucleotides inhibiting the expression of phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for preventing or treating diseases associated with the subunit, e.g.
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                                                                                                                                                                                                                                                                                                                                                            Human PI3K regulatory subunit 4, p150 DNA target region #14.
                                     0.4%; Score 20; DB 1; Length 20;
100.0%; Pred. No. 1.4e+02;
tive 0; Mismatches 0; Indels
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   Sequence 20 BP; 7 A; 3 C; 3 G; 7 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Example 15; SEQ ID NO 102; 62pp; English.
                                                                                                                    3057 AGTIGATCTIGITAAAACCA 3076
                                                                                                                                         20 AGTTGATCTTGTTAAAACCA 1
                                                                                                                                                                                                                                                   ADH26767 standard; DNA; 20 BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           hyperproliferative disorders.
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                                                            Local Similarity 100.
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                                                 Query Match
                                                                    Best Local
Matches
                                                                                                                                                                                                                      RESULT 154
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0.4%; Score 20; DB 1; Length 20;

Query Match

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The invention relates to a compound targeted to a nucleic acid molecule encoding human phosphoinositide-3-kinase (PI3K) regulatory subunit 4, p150 molecule an antitisense olisjonucleotide that specifically hybridises with a nucleic acid molecule encoding PI3K regulatory subunit 4, p150 and inhibits expression of the polypeptide. The antisense oligonucleotide comprises at least one modified internucleoside linkage i.e. a phosphorothioate linkage, at least one modified sugar moiety, preferably a 2'-O-methoxyethyl sugar moiety, or at least one modified nucleobase comprising a 5-methylcytosine. The antisense compounds are useful for modilating the expression of F13K regulatory subunit 4, p150 and for preventing or treating hyperproliferative disorders and metabolic disorders. These may also be used in research and diagnostics and in preventing or delaying infection or inflammation. This sequence represents a P13K regulatory subunit 4, p150 DNA antisense
                     ö
                       Gaps
                                                                                                                                                                                                                                                                                                                               Human; phosphoinositide-3-kinase regulatory subunit 4; p150; P13K; P13 kinase; ds; antisense oligonucleotide; phosphorothioate linkage; 2'-0-methoxyethyl sugar moiety; 5-methylcytosine; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; neurodegenerative disorder; metabolic disorders; inflammation; cytostatic; immunomodulator; neurodegenerative; antimicrobial;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            New antisense oligonucleotides inhibiting the expression of phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for preventing or treating diseases associated with the subunit, e.g. hyperproliferative disorders.
                       ö
                                                                                                                                                                                                                                                                                                Human PI3K regulatory subunit 4, p150 DNA target region #24.
                   0; Indels
100.0%; Pred. No. 1.4e+02; ive 0; Mismatches 0;
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                                                       1032 GGTCACCAGTTGGAATTGGG 1051
                                                                                  GGTCACCAGTTGGAATTGGG 20
                                                                                                                                                                                   ADH26777 standard; DNA; 20 BP
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                                                                                                                                                                                                                                                              (first entry)
Local Similarity 100.
nes 20; Conservative
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                                                                                                                                                                                                                         ADH26777;
 Best Loc
Matches
                                                                                                                                                RESULT 155
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The invention relates to a compound targeted to a nucleic acid molecule encoding human phosphoinositide-3-kinase (PI3K) regulatory subunit 4, p150 The compound is an antisense oligonucleotide that specifically hybridises with a nucleic acid molecule encoding PI3K regulatory subunit 4, p150 and inhibits expression of the polypeptide. The antisense coligonucleotide comprises at least one modified internucleoside linkage i.e. a phosphorothioate linkage, at least one modified sugar moiety, preferably a 2'-O-methoxyethyl sugar moiety, or at least one modified nucleobase comprising a 5-methylcytosine. The antisense compounds are useful for modulating the expression of F13K regulatory subunit 4, p150 and for preventing or treating hyperproliferative disorders and cancer), Chediak-Higashi syndrome, neurodegenerative disorders and metabolic disorders. These may also be used in research and diagnostics metabolic disorders. These may also be used in research and diagnostics cepresents an antisense oligonucleotide of the invention.
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                                                                                                                                                                                                                                   Human PI3K regulatory subunit 4, p150 DNA antisense oligonucleotide #27.
                                                                                                                                                                                                                                                                   Human; phosphoinositide-3-kinase regulatory subunit 4; p150; P13K; P13 kinase; ss; antisense oligonucleotide; phosphorothioate linkage; 2'-0-methoxyethyl sugar moiety; 5-methylcytosine; phosphorothyl sugar moiety; 5-methylcytosine; phyperpoliferative disorder; cancer; Chediak-Higashi syndrome; neurodegenerative disorder; metabolic disorders; inflammation; cytostatic; immunomodulator; neurodegenerative; antimicrobial; antimilammatory.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           New antisense oligonucleotides inhibiting the expression of phosphoinositide-3-kinase, regulatory subunit 4, pl50, useful for preventing or treating diseases associated with the subunit, e.g. hyperproliferative disorders.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 20 BP; 9 A; 1 C; 4 G; 6 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ; Pred. No. 1.4
0; Mismatches
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1 ACAGCTCTGAGATTCCTGGA 20
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                                                                                                                   ADH26702 standard; DNA; 20
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Les 20; Conservative
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                                                                                                                                                          ADH26702;
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Matches
                                                                             RESULT 156
ADH26702/c
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0.4%; Score 20; DB 1; Length 20; 100.0%; Pred. No. 1.4e+02; iive 0; Mismatches 0; Indels

11-MAR-2004

04-DEC-2003

Freier SM,

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The invention relates to a compound targeted to a nucleic acid molecule encoding human phosphoinositide-3-kinase (PI3K) regulatory subunit 4, encoding human phosphoinositide-3-kinase (PI3K) regulatory subunit 4, p150. The compound is an antisense oligonucleotide that specifically typical and inhibits expression of the polypeptide. The antisense oligonucleotide comprises at least one modified internucleoside linkage oligonucleotide comprises at least one modified sugar moiety, i.e. a phosphorothioate linkage, at least one modified sugar moiety, preferably a 2'-O-methoxyethyl sugar moiety, or at least one modified preferably a 2'-O-methoxyethyl sugar moiety, or at least one modified preferably a 2'-O-methoxyethyl sugar moiety, or at least one modified preferably a 2'-O-methoxyethyl sugar moiety, or at least one modified preferably a 2'-O-methoxyethyl sugar moiety, or at least one modified preferably a 2'-O-methoxyethyl sugar moiety, or at least one modified and field nucleobase comprising the expression of P13K regulatory subunit 4, p150 and for preventing or treating hyperproliferative disorders (1.e. and for preventing or the surfacement and diagnostics and in preventing or delaying infection or inflammation. This sequence and in preventing or delaying infection or inflammation.
                             Human PI3K regulatory subunit 4, p150 DNA antisense oligonucleotide #50.
                                                                              Human; phosphoinositide-3-kinase regulatory subunit 4; p150; P13K; P13 kinase; ss; antisense oligonucleotide; phosphorothioate linkage; 2'-O-methoxyethyl sugar molety; 5-metholycycaine; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; neurodegenerative disorder; metabolic disorders; inflammation; cytostatic; immunomodulator; neurodegenerative; antimicrobial;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   New antisense oligonucleotides inhibiting the expression of phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for preventing or treating diseases associated with the subunit, e.g.
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hes 20, Conservative
(first entry)
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                                                                                                                                                                                                                                                            antiinflammatory.
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11-MAR-2004
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Matches
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                                                                                                                                                                                                                                                                                                               Homo
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   The invention relates to a compound targeted to a nucleic acid molecule encoding human phosphoinositide-3-kinase (PI3K) regulatory subunit 4, pls0. The compound is an antisense oligonucleotide that specifically hybridises with a nucleic acid molecule encoding PI3K regulatory subunit 4, pls0 and inhibits expression of the polypeptide. The antisense oligonucleotide comprises at least one modified internucleoside linkage oligonucleotide comprises at least one modified internucleoside linkage preferably a 2'-0-methoxyethyl sugar moiety, or at least one modified nucleobase comprising a 5-methylcytosine. The antisense compounds are useful for modulating the expression of PI3K regulatory subunit 4, pls0 and for preventing or treating hyperproliferative disorders (i.e. cancer), Chediak-Higashi syndrome, neurodegenerative disorders and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  cancer), Chediak-Higashi syndrome, neurodegenerative disorders and metabolic disorders. These may also be used in research and diagnostics and in preventing or delaying infection or inflammation. This sequence
                                                                                                                                                                                  Human PI3K regulatory subunit 4, p150 DNA antisense oligonucleotide #44.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                                   Human; phosphoinositide-3-kinase regulatory subunit 4; p150; P13K; p13 kinase; ss; antisense oligonucleotide; phosphorothioate linkage; 2'-O-methoxyethyl sugar molety; 5-methylyctosine; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; neurodegenerative disorder; metabolic disorders; inflammation; cytostatic; immunomodulator; neurodegenerative; antimicrobial;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     New antisense oligonucleotides inhibiting the expression of phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for preventing or treating diseases associated with the subunit, e.g. hyperproliferative disorders.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ;
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Pred. No. 1.4e+02;
0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      represents an antisense oligonucleotide of the invention.
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Similarity 100.0%; Pr
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                     ADH26719/c
ID ADH26719 standard; DNA; 20
                                                                                                                                               (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                           antiinflammatory.
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Matches 20;
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                                          0.4%; Score 20; DB 1; Length 20;
100.0%; Pred. No. 1.4e+02;
tive 0; Mismatches 0; Indels
Sequence 20 BP; 6 A; 2 C; 6 G; 6 T; 0 U; 0 Other;
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ADH26725;

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RESULT 158 ADH26725

Query Match

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The invention relates to a compound targeted to a nucleic acid molecule encoding human phosphoinositide-3-kinase (PI3K) regulatory subunit 4, p150 p150. The compound is an antisense oligonucleotide that specifically phoridises with a nucleic acid molecule encoding PI3K regulatory subunit 4, p150 and inhibits expression of the polypeptide. The antisense oligonucleotide comprises at least one modified internucleoside linkage i.e. a phosphorothioate linkage, at least one modified sugar moiety, preferably a 2'-O-methoxyethyl sugar moiety, or at least one modified sugar moiety, preferably a 2'-O-methoxyethyl sugar moiety, or at least one modified are useful for modulating a feathyleytosine. The antisense compounds are useful for modulating the expression of PI3K regulatory subunit 4, p150 and for preventing or treating hyperproliferative disorders and cand in preventing or delaying infection or inflammation. This sequence and in preventing or delaying infection or inflammation. This sequence represents an antisense oligonucleotide of the invention.
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PI3 kinase; ss; antisense oligonucleotide; phosphorothioate linkage;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  New antisense oligonucleotides inhibiting the expression of phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for preventing or treating diseases associated with the subunit, e.g.
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                 2'-O-methoxyethyl sugar moiety; 5-methylcytosine;
hyperproliferative disorder; cancer; Chediak-Higashi syndrome;
neurodegenerative disorder; metabolic disorders; inflammation;
cytostatic; immunomodulator; neurodegenerative; antimicrobial;
antinflammatory.
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Pred. No. 1.4e+02;
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Best Local Similarity 100.0
Watches 20; Conservative
                                                                                                                                                                                                                                                                                                                                                          (ISIS-) ISIS PHARM INC
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The invention relates to a compound targeted to a nucleic acid molecule encoding human phosphoinositide-3-kinase (PI3K) regulatory subunit 4, p150 p150. The compound is an antisense oligonucleotide that specifically hybridises with a nucleic acid molecule encoding PI3K regulatory subunit 4, p150 and inhibits expression of the polypeptide. The antisense coligonucleotide comprises at least one modified internucleoside linkage i.e. a phosphorothioate linkage, at least one modified sugar moiety, preferably a 2'-O-methoxyethyl sugar moiety, or at least one modified in uncleobase comprising a 5-methylcytosine. The antisense compounds are useful for modulating the expression of PI3K regulatory subunit 4, p150 and for preventing or treating hyperproliferative disorders and cancer), Chediak-Higashi syndrome, neurodegenerative disorders and metabolic disorders. These may also be used in research and diagnostics and in preventing or delaying infection or inflammation. This sequence represents an antisense oligonucleotide of the invention.
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                                                                                                                                                                                                                                                                                                                                       New antisense oligonucleotides inhibiting the expression of phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for preventing or treating diseases associated with the subunit, e.g. hyperproliferative disorders.
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100.0%; Pred. No. 1.4e+02;
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                                                                                                                                                                                                                               (ISIS-) ISIS PHARM INC.
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antiinflammatory.
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                                       Homo sapiens.
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Matches
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RESULT 163
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  8
                                                                                                                                                                                                                                                                                                                                    The invention relates to a compound targeted to a nucleic acid molecule encoding human phosphoinositide-3-kinase (PI3K) regulatory subunit 4, p150 The compound is an antisense oligonucleotide that specifically tybridises with a nucleic acid molecule encoding PI3K regulatory subunit 4, p150 and inhibits expression of the polypeptide. The antisense oligonucleotide comparises at least one modified internucleoside linkage i.e. a phosphorothioate linkage, at least one modified sugar moiety, preferably a 2'-O-methoxyethyl sugar moiety, or at least one modified nucleobase comprising the expression of PI3K regulatory subunit 4, p150 and for preventing the expression of PI3K regulatory subunit 4, p150 and for preventing or treating hyperproliferative disorders i.e. cancer), Chediak-Higashi syndrome, neurodegenerative disorders and and in preventing or delaying infection or inflammation. This sequence and in preventing or delaying infection or inflammation. This sequence
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Human, phosphoinositide-3-kinase regulatory subunit 4; p150; p13K; p13 kinase; ds; antisense oligonucleotide; phosphorothioate linkage; 2'-0-methoxyethyl sugar moiety; 5-methoxyetosine; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; neurodegenerative disorder; metabolic disorders; inflammation; cytostatic; immunomodulator; neurodegenerative; antimicrobial;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
                                                                                                                                                                                                                     New antisense oligonucleotides inhibiting the expression of phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for preventing or treating diseases associated with the subunit, e-g-
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1.4e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 20 BP; 7 A; 6 C; 2 G; 5 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               100.0%; Pred. No. =
                                                                                                                                                                                                                                                                                                            Example 15; SEQ ID NO 81; 62pp; English.
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100.0%; Pred. No.
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                                                       31-MAY-2002; 2002US-00160786.
                                                                                       31-MAY-2002; 2002US-00160786.
                                                                                                                                                                                                                                                                            hyperproliferative disorders
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Local Similarity 100.
                                                                                                                         PHARM INC
                                                                                                                                                           Freier SM, Dobie KW;
                                                                                                                                                                                            WPI; 2004-051923/05.
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                                                                                                                         SISI (-SISI)
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                       04-DEC-2003
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Matches
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The invention relates to a compound targeted to a nucleic acid molecule encoding human phosphoinositide-3-kinase (PI3K) regulatory subunit 4, p150. The compound is an antisense oligonucleotide that specifically confides with a nucleic acid molecule encoding PI3K regulatory subunit 4, p150 and inhibits expression of the polypeptide. The antisense 4, p150 and inhibits expression of the polypeptide. The antisense coligonucleotide comprises at least one modified internucleoside linkage 1.e. a phosphorothhoate linkage, at least one modified sugar moiety, preferably a 2'-O-methoxyethyl sugar moiety, or at least one modified nucleobase comprising a 5-methylcytosine. The antisense compounds are nucleobase comprising the expression of P13K regulatory subunit 4, p150 and for preventing or treating hyperproliferative disorders and cancer), Chediak-Higashi syndrome, neurodegenerative disorders and metabolic disorders. These may also be used in research and diagnostics metabolic disorders. These may also be used in research and diagnostics cand in preventing or delaying infection or inflammation. This sequence represents a P13K regulatory subunit 4, p150 DNA antisense
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                                                                                                                                                                                                                                                                       New antisense oligonucleotides inhibiting the expression of phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for preventing or treating diseases associated with the subunit, e.g. hyperproliferative disorders.
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100.0%; Pred. No. 1.4e+02;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                           Example 15; SEQ ID NO 90; 62pp; English.
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31-MAY-2002; 2002US-00160786.
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                                                                           (ISIS-) ISIS PHARM INC
                                                                                                                                                  Dobie KW;
                                                                                                                                                                                                                      WPI; 2004-051923/05.
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                                                                                                                                                      Freier SM,
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ADH26680/
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                                                                                                                                                      The invention relates to a compound targeted to a nucleic acid molecule encoding human phosphoinositide-3-kinase (PI3K) regulatory subunit 4, p150 p150. The compound is an antisense oligonucleotide that specifically hybridises with a nucleic acid molecule encoding PI3K regulatory subunit 4, p150 and inhibits expression of the polypeptide. The antisense oligonucleotide comprises at least one modified internucleoside linkage i.e. a phosphorothioate linkage, at least one modified sugar moiety, preferably a 2'-O-methoxyethyl sugar moiety, or at least one modified nucleobase comprising a 5-methylcytosine. The antisense compounds are useful for modulating the expression of F13K regulatory subunit 4, p150 and for preventing or treating hyperproliferative disorders and metabolic disorders. These may also be used in research and diagnostics and in preventing or delaying infection or inflammation. This sequence represents a P13K regulatory subunit 4, p150 DNA antisense
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
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                                                    New antieense oligonucleotides inhibiting the expression of phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for preventing or treating diseases associated with the subunit, e.g.
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100.0%; Pred. No. 1.4e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 20 BP; 3 A; 7 C; 5 G; 5 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                   100.0%; Pred. nc.
                                                                                                                               Example 15; SEQ ID NO 107; 62pp; English.
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                                                                                                  hyperproliferative disorders.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                        20; Conservative
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Dobie KW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                          Best Local Similarity
                           WPI; 2004-051923/05.
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Freier SM,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT 164
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Matches
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The invention relates to a compound targeted to a nucleic acid molecule encoding human phosphoinositide-3-kinase [PI3K) regulatory subunit 4, p150 molecule is an antisense oligonucleotide that specifically hybridises with a nucleic acid molecule encoding PI3K regulatory subunit 4, p150 and inhibits expression of the polypeptide. The antisense oligonucleotide comprises at least one modified internucleoside linkage i.e. a phosphorothioate linkage, at least one modified sugar molety, preferably a 2'-O-methoxyethyl sugar molety, or at least one modified nucleobase comprising a 5-methylcytosine. The antisense compounds are useful for modulating the expression of PI3K regulatory subunit 4, p150 and for preventing or treating hyperpoliferative disorders and cancer), Chediak-Higashi syndrome, neurodegenerative disorders and metabolic disorders. These may also be used in research and diagnostics and in preventing or delaying infection or inflammation. This sequence represents a P13K regulatory subunit 4, p150 DNA antisense
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New antisense oligonucleotides inhibiting the expression of phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for preventing or treating diseases associated with the subunit, e.g. hyperproliferative disorders.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            oligonucleotide target region of the invention.
                                                                                                                                       Example 15; SEQ ID NO 111; 62pp; English.
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The invention relates to a compound targeted to a nucleic acid molecule encoding human phosphoinositide-3-kinase (PI3K) regulatory subunit 4, p150 p150. The compound is an antisense oligonucleotide that specifically chycidises with a nucleic acid molecule encoding PI3K regulatory subunit 4, p150 and inhibits expression of the polypeptide. The antisense oligonucleotide comprises at least one modified internucleoside linkage i.e. a phosphorothioate linkage, at least one modified sugar moiety, preferably a 2'-0-methoxyethyl sugar moiety, or at least one modified nucleobase comprising a 5-methyloytosine. The antisense compounds are useful for modulating the expression of P13K regulatory subunit 4, p150 and for preventing or treating hyperproliferative disorders (i.e. cancer), Chediak-Higashi syndrome, neurodegenserative disorders and entabolic disorders. These may also be used in research and diagnostics and in preventing or delaying infection or inflammation. This sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human PI3K regulatory subunit 4, p150 DNA antisense oligonucleotide #10.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             The invention relates to a compound targeted to a nucleic acid molecule encoding human phosphoinositide-3-kinase (PI3K) regulatory subunit 4,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Human; phosphoinositide-3-kinase regulatory subunit 4; p150, P13K; p13 kinase; ss; antisense oligonucleotide; phosphorothioate linkage; 2'-0-methoxyethyl sugar moiety; 5-methylcytosine; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; neurodegenerative disorder; metabolic disorders; inflammation; cytostatic; immunomodulator; neurodegenerative; antimicrobial;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         New antisense oligonucleotides inhibiting the expression of phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for preventing or treating diseases associated with the subunit, e.g.
                                                                                                                                                                                                                                                                                                                                                                                                  0.4%; Score 20; DB 1; Length 20;
100.0%; Pred. No. 1.4e+02;
tive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                   Sequence 20 BP; 6 A; 3 C; 6 G; 5 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Example 15; SEQ ID NO 20; 62pp; English
              Example 15; SEQ ID NO 15; 62pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         486 CCTCTGAACGATTTTGACAC 505
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          cerergasegarrirgaeáe 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          antiinflammatory.
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                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Human P13K regulatory subunit 4, p150 DNA antisense oligonucleotide #23.
hybridises with a nucleic acid molecule encoding P13K regulatory subunit by pridises with a nucleic acid molecule encoding P13K regulatory subunit, p150 and inhibits expression of the polypeptide. The antisense oligonucleotide comprises at least one modified internucleoside linkage i.e. a phosphorothioate linkage, at least one modified sugar moiety, preferably a 2'-O-methoxyethyl sugar moiety, or at least one modified uncleobase comprising a 5-methylctosine. The antisense compounds are useful for modulating the expression of P13K regulatory subunit 4, p150 and for preventing or treating hyperproliferative disorders (i.e. cancer), Chediat-Higashi syndrome, neurodegenerative disorders and metabolic disorders. These may also be used in research and diagnostics and in preventing or delaying infection or inflammation. This sequence represents an antisense oligonucleotide of the invention.
                                                                                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Human; phosphoinositide-3-kinase regulatory subunit 4; pl50; Pl3K; Pl3 Kinase; ss; antisense oligonuclectide; phosphorothioate linkage; 2'-0-methoxyethyl sugar moiety; 5-methylcytosine; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; neurodegenerative disorder; metabolic disorders; inflammation; cytostatic; immunomodulator; neurodegenerative; immicrobial; antiinflammatory.
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1.4e+02;
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                                                                                                                                                                                                                                                                                                                 Score 20;
Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                          GGTTTTTGCAATTCAGGATC 745
                                                                                                                                                                                                                                                                                                                                                                                                                GGTTTTTGCAATTCAGGATC 1
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es 20; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                              726
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Matches
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Gaps

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preferably a 2'-O-methoxyethyl sugar molety, or at least one modified nucleobase comprising a 5-methylcytosine. The antisense compounds are useful for modulating the expression of P13K regulatory subunit 4, p150 and for preventing or treating hyperproliferative disorders (i.e. cancer), Chedlak-Higashi syndrome, neurodegenerative disorders and metabolic disorders. These may also be used in research and diagnostics and in preventing or delaying infection or inflammation. This sequence represents an antisense oligonucleotide of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Human PI3K regulatory subunit 4, p150 DNA antisense oligonucleotide #53.
                                                                                                                                                                                                                                                                     Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human; phosphoinositide-3-kinase regulatory subunit 4; p150; P13K; P13 kinase; ss; antisense oligonucleotide; phosphorothioate linkage; 2'-O-methoxyethyl sugar molety; 5-methylcytosine; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; neurodegenerative disorder; metabolic disorders; inflammation; cytostatic; immunomodulator; neurodegenerative; antimicrobial;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                New antisense oligonucleotides inhibiting the expression of phosphoinositide-3-kinase, regulatory subunit 4, pl50, useful for preventing or treating dispasses associated with the subunit, e.g. hyperproliferative disorders.
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                                                                                                                                                                                                                            Score 20; DB 1; Length 20;
Pred. No. 1.4e+02;
                                                                                                                                                                                                                                                                   0; Indels
                                                                                                                                                                                      Sequence 20 BP; 9 A; 1 C; 5 G; 5 T; 0 U; 0 Other;
                                                                                                                                                                                                                0.4%; Scc...
100.0%; Pred. No. ...
0; Mismatches
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                                                                                                                                                                                                                                                                                                           1337 CATTATTTGATCTCTCTCAA 1356
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (first entry)
                                                                                                                                                                                                                  Query Match
Best Local Similarity 100.
Matches 20; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               antiinflammatory.
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The invention relates to a compound targeted to a nucleic acid molecule encoding human phosphoinositide-3-kinase (PI3K) regulatory subunit 4, p150 p150. The compound is an antisense oligonucleotide that specifically hybridises with a nucleic acid molecule encoding PI3K regulatory subunit 4, p150 and inhibits expression of the polypeptide. The antisense oligonucleotide comprises at least one modified internucleoside linkage oligonucleotide comprises at least one modified internucleoside linkage in .e. a phosphorothioate linkage, at least one modified augar moiety, preferably a 2'-O-methoxyethyl sugar moiety, or at least one modified nucleobase comprising a 5-methylcytosine. The antisense compounds are nucleobase comprising the expression of FI3K regulatory subunit 4, p150 and for preventing or treating hyperproliferative disorders and cancer), Chediak-Higashi syndrome, neurodegenerative disorders and cancer). Chediak-Higashi syndrome, neurodegenerative disorders and in preventing or delaying infection or infilammation. This sequence represents an antisense oligonucleotide of the invention.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human PI3K regulatory subunit 4, p150 DNA antisense oligonucleotide #63.
metabolic disorders. These may also be used in research and diagnostics and in preventing or delaying infection or inflammation. This sequence represents an antisense oligonucleotide of the invention.
                                                                                                                                                                 Gape
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Human; phosphoinositide-3-kinase regulatory subunit 4; p150; P118; P13 kinase; ss; antisense oligonucleotide; phosphorothioate linkage; 2'-O-methoxyethyl sugar molety; 5-methylcytosine; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; neurodegenerative disorder; metabolic disorder; inflammation; cytostatic; immunomodulator; neurodegenerative; antimicrobial;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         New antisense oligonucleotides inhibiting the expression of phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for preventing or treating diseases associated with the subunit, e.g.
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                                                                                                                       Length 20;
                                                                                                                                                             0; Indels
                                                                                Sequence 20 BP; 4 A; 6 C; 1 G; 9 T; 0 U; 0 Other;
                                                                                                                    0.4%; Score 20; DB 1; Le .00.0%; Pred. No. 1.4e+02; .ve 0; Mismatches 0;
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                                                                                                                                                                                                     3455 AGATGATGGAAAATGCTGAA 3474
                                                                                                                                                                                                                             20 AGATGATGGAAAATGCTGAA 1
                                                                                                                                                                                                                                                                                                                                                  BP
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                                                                                                                                          100.08;
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                                                                                                                                                                 Conservative
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                                                                                                                                          Local Similarity
tes 20; Conserv
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                                                                                                                       Query Match
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Matches
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The invention relates to a compound targeted to a nucleic acid molecule encoding human phosphoinositide-3-kinase (PI3K) regulatory subunit 4, encoding human phosphoinositide-3-kinase (PI3K) regulatory subunit 4, p150. The compound is an antisense oligonucleotide that specifically thy foliciases with a nucleic acid molecule encoding PI3K regulatory subunit 4, p150 and inhibits expression of the polypeptide. The antisense compounds at least one modified internucleoside linkage i.e. a phosphorothibate linkage, at least one modified sugar moiety, or at least one modified nucleobase comprising a 5-methylcytosine. The antisense compounds are uncleobase comprising the expression of F13K regulatory subunit 4, p150 useful for modulating the expression of F13K regulatory subunit 4, p150 encent, Chediak-Higashi syndrome, neurodegenerative disorders and metabolic disorders. These may also be used in research and diagnostics metabolic disorders. These may also be used in research and diagnostics and in preventing or delaying infection or inflammation. This sequence represents a P13K regulatory subunit 4, p150 DNA antisense
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                                                                                                                                                                                                                                                                                                                                                             Human; phosphoinositide-3-kinase regulatory subunit 4; p150; P13K; P13 kinase; ds; antisense oligonuclectide; phosphorothioate linkage; 2'-O-methoxyethyl sugar molety; 5-methylcytosine; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; neurodegenerative disorder; metabolic disorders; inflammation; cytostatic; immunomodulator; neurodegenerative; antimicrobial; antiinflammatory.
                                        Gaps
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                                                                                                                                                                                                                                                                                                                              Human PI3K regulatory subunit 4, p150 DNA target region #34.
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  Length 20;
                                      0; Indels
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0.4%; Score 20; DB 1; Le
100.0%; Pred. No. 1.4e+02;
ative 0; Mismatches 0;
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                                                                               3991 GGCCTCATCACTTCCTTTGC 4010
                                                                                                    20 GGCCTCATCACTTCCTTTGC 1
                                                                                                                                                                                                                    ADH26787 standard; DNA; 20 BP
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                                                                                                                                                                                                                                                                                                (first entry)
                                          Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (ISIS-) ISIS PHARM INC.
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                          Similarity
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        Query Match
Best Local Simi
Matches 20;
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                                                                                                                                                                                                                                                             ADH26787;
                          Best Loca
Matches
                                                                                                                                                                                   RESULT 170
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The invention relates to a compound targeted to a nucleic acid molecule encoding human phosphoinositide-3-kinase (PI3K) regulatory subunit 4, concing human phosphoinositide-3-kinase (PI3K) regulatory subunit 4, p150. The compound is an antisense oligonucleotide that specifically conversations at the polypeptide. The antisense 4, p150 and inhibits expression of the polypeptide. The antisense conjugation inhibits expression of the polypeptide. The antisense conjugation of the polypeptide internucleoside linkage i.e. a phosphorothibate linkage, at least one modified sugar moiety, preferably a 2'-O-methoxyethyl sugar moiety, or at least one modified nucleobase comprising a 5-methylcytosine. The antisense compounds are nucleobase comprising the expression of P13K regulatory subunit 4, p150 and for preventing or treating hyperproliferative disorders and cancer). Chediak-Higashi syndrome, neurodegenerative disorders and cancer. These may also be used in research and diagnostics metabolic disorders. These may also be used in research and diagnostics represents a P13K regulatory subunit 4, p150 DNA antisense represents a p13K regulatory subunit 4, p150 DNA antisense
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                                                                                                                                                                                                                                                                                  Human; phosphoinositide-3-kinase regulatory subunit 4; p150; P13K; P13 kinase; ds; antisense oligonucleotide; phosphorothioate linkage; 2'-O-methoxyethyl sugar moiety; 5-methoxyethyl syndrome; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; neurodegenerative disorder; metabolic disorders; inflammation; cytostatic; immunomodulator; neurodegenerative; antimicrobial;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     New antisense oligonucleotides inhibiting the expression of phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for preventing or treating diseases associated with the subunit, e.g. hyperproliferative disorders.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ..
0
                                                                                                                                                                                                                                               Human P13K regulatory subunit 4, p150 DNA target region #56.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 20;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 20 BP; 4 A; 5 C; 4 G; 7 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0.4%; Score 20; DB 1; Le
100.0%; Pred. No. 1.4e+02;
tive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Example 15; SEQ ID NO 144; 62pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          4761 CTGTTTCATGACTGACTGAC 4780
2860 CCTGCCATAGCACAGCTTCT 2879
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 cretricardactdactdac 20
                      1 CCTGCCATAGCACAGCTTCT 20
                                                                                                                                  ADH26809 standard; DNA; 20 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       31-MAY-2002; 2002US-00160786.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           31-MAY-2002; 2002US-00160786.
                                                                                                                                                                                                                  11-MAR-2004 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         20; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (ISIS-) ISIS PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Dobie KW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WPI; 2004-051923/05.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                   antiinflammatory
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               JS2003225013-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                        Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    04-DEC-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Freier SM,
                                                                                                                                                                               ADH26809;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Matches
                                                                                                   RESULT 171
                                                                                                                         ADH26809
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Best Local Similarity 100. Matches 20, Conservative

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RESULT 173
                                                                          ADL34599/
ID ADL3
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                                                                                                                                                                                                                                                                                                                                                           antisense; inhibitor; hybridisation; human; phosphoinositide-3-kinase; regulatory subunit 4; p150; internucleoside linkage; phosphorothioate linkage; 2'-O-methoxyethyl sugar; 5-methylcytosine; infection; inflammation; tumour formation; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; metabolic disorder; immunomodulator;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             New antisense compound targeted to a nucleic acid molecule encoding phosphoinositide-1-kinase, regulatory subunit 4, p150, useful for treating cancer, Chediak-Higashi syndrome or a metabolic disorder.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            This invention describes a novel antisense oligonucleotides which
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             /mod_base= OTHER
/note= "phosphorothioate backbone"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 20 BP; 3 A; 7 C; 2 G; 8 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                 ISIS antisense oligonucleotide ISIS 206977.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Example 15; SEQ ID NO 31; 60pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           cytostatic; gene therapy; ss; primer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Location/Qualifiers
                                                                      ADL34585 standard; DNA; 20 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              18-SEP-2003; 2003US-00667022
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         31-MAY-2002; 2002US-00160786
                                                                                                                                                                                                                  (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (FREI/) FREIER S M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (DOBI/) DOBIE K W.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   for gene therapy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US2004063657-A1
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modified_base
                                                                                                                                                                                                                      17-JUN-2004
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Synthetic.
                                                                                                                                            ADL34585;
RESULT 172
                                       ADL34585,
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8XCCCCCCCCCCCCCCCX8X444X3X1X43X5XX5X6X444444X8XX4X4X6X8

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This invention describes a novel antisense oligonucleotides which specifically hybridises to and inhibits the expression of human specifically hybridises to and inhibits the expression of human to phosphornositided. It is nationally a phosphorotides at least one modified internucleoside linkage, oligonucleotides comprises at least to modified sugar modety, preferably a 2'-O-methoxyethyl sugar modety. The antisense oligonucleotide further comprises at least one modified and antisense oligonucleotide can be used in diagnostics and as research reagents and kits. It can also be used prophylactically, e.g. to prevent or delay infection, inflammation or tumour formation. It can also be used to treat a disease or condition associated with phosphoinositide-3-kinase, regulatory subunit 4, p150, e.g. hyperprofiferative disorder, preferably cancer, chediak-Higashi syndrome or a metabolic disorder, preferably cancer, invention are immunomodulators with cytostatic activity and can be used
                                                                                                                                                                                                                                   antisense; inhibitor; hybridisation; human; phosphoinositide-1-kinase; regulatory subunit 4; p150; internucleoside linkage; phosphorochioare linkage; 2'-O-methoxyethyl sugar; 5-methylcytosine; infection; inflammation; tumour formation; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; metabolic disorder; immunomodulator;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             New antisense compound targeted to a nucleic acid molecule encoding phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for treating cancer, Chediak-Higashi syndrome or a metabolic disorder.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        /note= "phosphorothioate backbone"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 20 BP; 5 A; 3 C; 4 G; 8 T; 0 U; 0 Other;
                                                                                                                                                                                                   ISIS antisense oligonucleotide ISIS 206991.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Example 15; SEQ ID NO 45; 60pp; English.
                                                                                                                                                                                                                                                                                                                                     cytostatic; gene therapy; ss; primer
                                                                                                                                                                                                                                                                                                                                                                                                         Location/Qualifiers
1. .20
/*tag= a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      base= OTHER
20 AGTTGAAGAGAGCAATGGAC 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       18-SEP-2003; 2003US-00667022
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           31-MAY-2002; 2002US-00160786
                                                                                      ADL34599 standard; DNA; 20
                                                                                                                                                                17-JUN-2004 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Freier SM, Dobie KW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        /mod
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     for gene therapy.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US2004063657-A1.
                                                                                                                                                                                                                                                                                                                                                                                                               Key
modified_base
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  01-APR-2004.
                                                                                                                                                                                                                                                                                                                                                                            Synthetic
                                                                                                                             ADL34599;
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Gaps

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0.4%; Score 20; DB 1; Length 20; 100.0%; Pred. No. 1.4e+02; ive 0; Mismatches 0; Indels

Query Match 0.4%; Score 20; DB 1; L. Best Local Similarity 100.0%; Pred. No. 1.4e+02; Matches 20; Conservative 0; Mismatches 0;

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Gaps

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Length 20; Indels

Local Similarity 100.

Best Loc Matches

Query Match

2524 GTTTACGAATTTGCCAGTGA 2543

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This invention describes a novel antisense oligonucleotides which specifically hybridises to and inhibits the expression of human phosphoinositide-3-kinase, regulatory subunit 4, pl50. The oligonucleotides comprises at least one modified internucleoside linkage, preferably a phosphorothioate linkage. It also comprises at least one modified sugar molety, preferably a 2-0-methoxyethyl sugar molety. The antisense oligonucleotide further comprises at least one modified nucleobase, preferably a 5-methylcytosine. The antisense oligonucleotide can be used in diagnostics and as research reagents and kits. It can also be used prophylactically, e.g. to prevent or delay infection, inflammation or tumour formation. It can also be used to treat a disease or condition associated with phosphoinositide-3-kinase, regulatory subunit 4, pl50, e.g. hyperproliferative disorder, preferably cancer, chediak-Higashi syndrome or a metabolic disorder, preferably cancer, throation are immunomodulators with cytostatic activity and can be used
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     antisense; inhibitor; hybridisation; human; phosphoinositide-3-kinase; regulatory subunit 4; p150; internucleoside linkage; phosphorothioate linkage; 2'-O-methoxyethyl sugar; 5-methylcytosine; infection; inflammation; tumour formation; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; metabolic disorder; immunomodulator; cytostatic; gene therapy; ss; primer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    New antisense compound targeted to a nucleic acid molecule encoding phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for treating cancer, Chediak-Higashi syndrome or a metabolic disorder.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      /note= "phosphorothioate backbone"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 20 BP; 7 A; 5 C; 3 G; 5 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                             ISIS antisense oligonucleotide ISIS 206995.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Example 15; SEQ ID NO 49; 60pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             'mod_base= OTHER
CTTAATATGGAAAATGACCC 1
                                                                                                                                                                                                                    B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          31-MAY-2002; 2002US-00160786.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   18-SEP-2003; 2003US-00667022
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1. .20
/*tag= a
                                                                                                                                                                                                                    ADL34603 standard; DNA; 20
                                                                                                                                                                                                                                                                                                                                                              (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WPI; 2004-282523/26.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (FREI/) FREIER S M. (DOBI/) DOBIE K W.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         for gene therapy
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Synthetic
                                                                                                                                                                                                                                                                                           ADL34603;
                                        20
                                                                                                                                                                               ADL34603/XXX ADL34603/XXX ADL34603/XXX ADL3-DF ADL3-DF
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This invention describes a novel antisense oligonucleotides which specifically hybridises to and inhibits the expression of human phosphonostided-3-kinase, regulatory subunit 4, p150. The phosphoinostided-3-kinase, regulatory subunit 4, p150. The oligonucleotides comprises at least one modified internucleoside linkage, or preferably a phosphorothioate linkage. It also comprises at least one modified modified sugar molety, preferably a 2'-O-methoxyethyl sugar moiety. The antisense oligonucleotide further comprises at least one modified uncleobase, preferably a 5-methylcytosine. The antisense oligonucleotide can be used in diagnostics and as research reagents and kits. It can also be used prophylactically, e.g. to prevent or delay infection, inflammation or tumour formation. It can also be used to treat a disease or condition associated with phosphoinositide-3-kinase, regulatory subunit 4, p150, e.g. hyperproliferative disorder, preferably cancer, chediak-Higashi syndrome or a metabolic disorder. The products of the invention are immunomodulators with cytostatic activity and can be used
                                                                                                                                                                                                                                                            antisense; inhibitor; hybridisation; human; phosphoinositide-3-kinase; regulatory subunit 4; p150; internucleoside linkage; phosphorothioate linkage; 2'-O-methoxyethyl sugar; 5-methylcytosine; infection; inflammation; tumour formation; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; metabolic disorder; immunomodulator; cytostatic; gene therapy; ss; primer.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           New antisense compound targeted to a nucleic acid molecule encoding phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for treating cancer, Chediak-Higashi syndrome or a metabolic disorder.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1. .20
/*tag= a
//ad base= OTHER
/noce= "phosphorothioate backbone"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 20 BP; 6 A; 5 C; 2 G; 7 T; 0 U; 0 Other;
                                                                                                                                                                                                                               ISIS antisense oligonucleotide ISIS 207002.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Example 15; SEQ ID NO 56; 60pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                     Location/Qualifiers
GTTTACGAATTTGCCAGTGA 1
                                                                                                              ADL34610 standard; DNA; 20 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       31-MAY-2002; 2002US-00160786.
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                                                                                                                                                                                               17-JUN-2004 (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (DOBI/) DOBIE K W.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    for gene therapy
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                        modified base
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               01-APR-2004.
                                                                                                                                                                                                                                                                                                                                                                                                                Synthetic.
                  20
                                                                                                                                                          ADL34610;
                                                                                RESULT 175
                                                                                                  ADL34610,
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Gaps

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Query Match 0.4%; Score 20; DB 1; Length 20; Best Local Similarity 100.0%; Pred. No. 1.4e+02; Matches 20; Conservative 0; Mismatches 0; Indels

Page

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Gaps

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IndelB

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0; Mismatches

Conservative

20;

Matches

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This invention describes a novel antisense oligonucleotides which specifically hybridises to and inhibits the expression of human phosphoinositide-3-kinase, regulatory subunit 4, pi50. The oligonucleotides comprises at least one modified internucleoside linkage, preferably a phosphorothioate linkage. It also comprises at least one modified sugar molety, preferably a 2'-O-methorycetyl sugar molety. The antisense oligonucleotide further comprises at least one modified nucleobase, preferably a 5-methylcytosine. The antisense oligonucleotide further comprises at least one modified can be used in diagnostics and as research reagents and kits. It can also be used prophylactically, e.g. to prevent or delay infection, inflammation or tumour formation. It can also be used to treat a disease or condition associated with phosphoinositide-3-kinase, regulatory combunit 4, pi50, e.g. hyperproliferative disorder, preferably cancer, chediak-Higashi syndrome or a metabolic disorder. The products of the invention are immunomodulators with cytostatic activity and can be used
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          antisense; inhibitor; hybridisation; human; phosphoinositide-3-kinase; regulatory subunit 4; pl50; internucleoside linkage; phosphorothioate linkage; 2'-0-methoystelhyl sugar; 5-methylcytosine; infection; inflammation; tumour formation; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; metabolic disorder; immunomodulator;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     New antisense compound targeted to a nucleic acid molecule encoding phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for treating cancer, Chediak-Higashi syndrome or a metabolic disorder.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /note= "phosphorothioate backbone"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                               ISIS antisense oligonucleotide ISIS 207037.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Example 15; SEQ ID NO 83; 60pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               cytostatic; gene therapy; ss; primer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Location/Qualifiers
3009 TCAGAAAGGTGTAATTGACT 3028
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    /mod_base= OTHER
                                                                  rcagaaaggrgraarrgacr 1
                                                                                                                                                                                                                                                    BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        18-SEP-2003; 2003US-00667022.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              31-MAY-2002; 2002US-00160786.
                                                                                                                                                                                                                                                ADL34637 standard; DNA; 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1. .20
/*tag= a
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Freier SM, Dobie KW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WPI; 2004-282523/26.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (FREI/) FREIER S M. (DOBI/) DOBIE K W.
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modified_base
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Synthetic.
                                                                                                                                                                                                                                                                                                                      ADL34637;
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                                                                                                                                                                      RESULT 17

ADL34637/
ADL34
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This invention describes a novel antisense oligonucleotides which specifically hybridises to and inhibits the expression of human phosphoinositided-1*inase, regulatory subunit 4, p150. The phosphoinositided-1*inase, regulatory subunit 4, p150. The coligonucleotides comprises at least one modified internucleoside linkage, preferably a phosphorothioate linkage. It also comprises at least one modified sugar molety, preferably a 2'-O-methoxyethyl sugar molety. The antisense oligonucleotide further comprises at least one modified nucleobase, preferably a 5-methylcytosine. The antisense oligonucleotide can be used in diagnostics and as research reagents and kits. It can also be used prophylactically, e.g. to prevent or delay infection, inflammation or tumour formation. It can also be used to treat a disease or condition associated with phosphoinositide-3-kinase, regulatory subunit 4, p150, e.g. hyperprofiferative disorder, preferably cancer, Chediak-Higashi syndrome or a metabolic disorder. The products of the invention are immunomodulators with cytostatic activity and can be used
                                                                                                                                                                                                                                                                                   antisense; inhibitor; hybridisation; human; phosphoinositide-3-kinase; regulatory subunit 4; p150; internucleoside linkage; phosphorothioate linkage; 2'-0-methoxystehy] sugar; 5-methylcytosine; infection; inflammation; tumour formation; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; metabolic disorder; immunomodulator;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    New antisense compound targeted to a nucleic acid molecule encoding phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for treating cancer, Chediak-Higashi syndrome or a metabolic disorder.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       /mod_base= OTHER
/note= "phosphorothioate backbone"
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                                                                                                                                                                                                                                                 ISIS antisense oligonucleotide ISIS 207038.
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                                                                                                                                                                                                                                                                                                                                                                                      cytostatic; gene therapy; ss; primer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                Location/Qualifiers
   4461 TGAAGTTGTCCAGGAAATTC 4480
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     base= OTHER
                       ADL34638 standard; DNA; 20 BP
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WPI; 2004-282523/26.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (DOBI/) DOBIE K W.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           for gene therapy.
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modified_base
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                                                                                                                                                                      ADL34638;
                                                                                               RESULT 17'
ADL34638/
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DB 1; Length 20;

0.4%; Score 20;

Query Match

Length 20;

Score 20; DB 1; L. Pred. No. 1.4e+02;

0.4%; S 100.0%;

Query Match Best Local Similarity

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This invention describes a novel antisense oligonucleotides which specifically hybridises to and inhibits the expression of human phosphoinositied.3-kinase, regulatory subunit 4, p150. The phosphoinositied and the sequence of comparises at least one modified internucleoside linkage, preferably a phosphorothhoat linkage. It also comprises at least one modified sugar moiety, preferably a 2'-O-methoxyethyl sugar moiety. The antisense oligonucleotide further comprises at least one modified comparises at least one modified and such such as the search reagents and such the nucleobase, preferably a S-methylcytosine. The antisense oligonucleotide can be used prophylactically, e.g. to prevent or delay infection, inflammation or tumour formation. It can also be used to treat a disease or condition associated with phosphoinositide-3-kinase, regulatory subunit 4, p150, e.g. hyperproliferative disorder, preferably cancer, chediak-Higashi syndrome or a metabolic disorder. The products of the invention are immunomodulators with cytostatic activity and can be used
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                                                                                                                                                                                                                                                                                                                                                                    regulatory subunit 4; pis0; internucleoside linkage; phosphorothicate linkage; 2'-O-methoxyethyl sugar; 5-methylcytosine; infection; inflammation; tumour formation; hyperproliferative disorder; cancer; Chediak-Higsshi syndrome; metabolic disorder; immunomodulator;
                                                                                                                                                                                                                                                                                                                                                 antisense; inhibitor; hybridisation; human; phosphoinositide-3-kinase;
                  Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       New antisense compound targeted to a nucleic acid molecule encoding phosphoinositide-1-kinase, regulatory subunit 4, p150, useful for treating cancer, Chediak-Higashi syndrome or a metabolic disorder.
                                                                                                                                                                                                                                                                                                          Phosphoinositide-3-kinase regulatory subunit 4 p150 fragment 124607.
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100.0%; Pred. No. 1.4e+02;
vative 0; Mismatches 0; Indels
                  Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 20 BP; 6 A; 5 C; 5 G; 4 T; 0 U; 0 Other;
100.0%; Pred. No. 1.4e+02; ive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Example 15; SEQ ID NO 100; 60pp; English.
                                                           4633 GTGTGGAAATAAAACCTACT 4652
                                                                                  20 GTGTGGAAATAAAACCTACT
                                                                                                                                                                                                   ADL34654 standard; DNA; 20 BP
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      31-MAY-2002; 2002US-00160786
                                                                                                                                                                                                                                                                                                                                                                                                                                                        cytostatic; gene therapy; ds
                                                                                                                                                                                                                                                                               (first entry)
                      20; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Freier SM, Dobie KW;
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  Best Local Similarity
Matches 20; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 or gene therapy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US2004063657-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Homo sapiens.
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                                                                                                                                                                                                                                                                               17-JUN-2004
                                                                                                                                                                                                                                          ADL34654;
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This invention describes a novel antisense oligonucleotides which specifically hybridises to and inhibits the expression of human specifically hybridises to and inhibits the expression of human of hosphoinositide-3-kinase, regulatory subunit 4, piso. The coligonucleotides comprises at least one modified internucleoside linkage, or preferably a phosphorothioate linkage. It also comprises at least one modified sugar moiety, preferably a 2'-O-methoxyethyl sugar moiety. The confises only sense oligonucleotide further comprises at least one modified uncleobase, preferably a 5-O-methoxyethyl sugar moiety. The nucleobase, preferably a 5-methoxyethyl sugar no delivery can be used in diagnostics and as research reagents and kits. It can also be used prophylactically, e.g. to prevent or delay infection, condition associated with phosphoinositide-3-kinase, regulatory condition associated with phosphoinositide-3-kinase, regulatory condition associated with phosphoinositide-3-kinase, regulatory colidate, Higashi syndrome or a metabolic disorder. The products of the invention are immunomodulators with cytostatic activity and can be used
                                                                                                                                                                                                                                                    antisense; inhibitor; hybridisation; human; phosphoinositide-3-kinase; regularory subunit 4; p150; internucleoside linkage; phosphorothioate linkage; 2'-Q-methoxyethyl sugar; 5-methylcytosine; infection; inflammation; tumour formation; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; metabolic disorder; immunomodulator; cytostatic; gene therapy; ds.
                                                                                                                                                                                                                        Phosphoinositide-3-kinase regulatory subunit 4 p150 fragment 124609.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       New antisense compound targeted to a nucleic acid molecule encoding phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for treating cancer, Chediak-Higashi syndrome or a metabolic disorder.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0.4%; Score 20; DB 1; Length 20;
100.0%; Pred. No. 1.4e+02;
rative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 20 BP; 4 A; 3 C; 8 G; 5 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Example 15; SEQ ID NO 102; 60pp; English.
1 GCACACAAATCTGGAGTTCG 20
                                                                                                       BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               18-SEP-2003; 2003US-00667022.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       31-MAY-2002; 2002US-00160786
                                                                                                       ADL34656 standard; DNA; 20
                                                                                                                                                                                           17-JUN-2004 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Dobie KW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WPI; 2004-282523/26.
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                                                                                                                                                                                                                                                                                                                                                                                                                            Homo sapiens.
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                                                                  RESULT 179
                                                                                          ADL34656
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Gaps

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20; Conservative

Matches

Local Similarity

Query Match

RESULT 180 ADL34659

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982 GCACACAAATCTGGAGTTCG 1001

Conservative

Query Match Best Local Similarity Matches 20; Conserv

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for gene therapy.
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                                                                                                                                                                                                           Homo sapiens
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    This invention describes a novel antisense oligonucleotides which specifically hybridises to and inhibits the expression of human propertically hybridises to and inhibits the expression of human properties to an diffical internucleoside linkage. It is oligonucleotides comprises at least to medified internucleoside linkage, preferably a 2-0-methoxyethyl sugar moiety. The modified sugar moiety, preferably a 2-0-methoxyethyl sugar moiety. The antisense oligonucleotide further comprises at least one moiety. The antisense oligonucleotide further comprises at least one moiffied on uncleobase, preferably a 5-methylcytosine. The antisense oligonucleotide can be used in diagnostics and as research reagents and kits. It can also be used prophylactically, e.g. to prevent of delay infection, inflammation or tumour formation. It can also be used to treat a disease or condition associated with phosphoinositide-3-kinase, regulatory subunit 4, p150, e.g. hyperproliferative disorder, preferably cancer, Chediak Higashi syndrome or a metabolic disorder. The products of the inmunomodulators with cytostatic activity and can be used
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                                                                                                                                                       antisense; inhibitor; hybridisation; human; phosphoinositide-3-kinase; regulatory subunit 4; p150; internucleoside linkage; phosphorothioate linkage; 2'-0-methoxyethyl sugar; 5-methylcytosine; infection; inflammation; tumour formation; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; metabolic disorder; immunomodulator; cytostatic; gene therapy; ds.
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                                                                                                                    Phosphoinositide-3-kinase regulatory subunit 4 p150 fragment 124614.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   New antisense compound targeted to a nucleic acid molecule encoding phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for treating cancer, Chediak-Higashi syndrome or a metabolic disorder.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 20 BP; 4 A; 2 C; 8 G; 6 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Example 15; SEQ ID NO 105; 60pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1299 AGGTTGTGTGATAGCTGAGC 1318
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ADL34659 standard; DNA; 20 BP
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                              31-MAY-2002; 2002US-00160786.
                                                                             (first entry)
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Matches 20; Conserv
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                                                                               17-JUN-2004
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                                      ADL34659
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ADL34660 standard; DNA; 20 BP

ADL34660 ID ADL3

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17-JUN-2004

ADL34660;

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This invention describes a novel antisense oligonucleotides which specifically hybridises to and inhibits the expression of human phosphoinositide-3-kinase, regulatory subunit 4, p150. The phosphoinositide-3-kinase, regulatory subunit 4, p150. The oligonucleotides comprises at least one modified internucleoside linkage, preferably a phosphorothioate linkage. It also comprises at least one modified modery modety, preferably a 2'-O-methoxyethyl sugar modety. The antisense oligonucleotide further comprises at least one modified nucleobase, preferably a 5-methylcytosine. The antisense oligonucleotide can be used in diagnostics and as research reagents and kits. It can also be used prophylactically, e.g. to prevent or delay infection, inflammation or tumour formation. It can also be used to treat a disease or condition associated with phosphoinositide-3-kinase, regulatory curent, chediak-Higashi syndrome or a metabolic disorder, preferably cancer, chediak-Higashi syndrome or a metabolic disorder. The products of the invention are immunomodulators with cytostatic activity and can be used
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                                                               antisense; inhibitor; hybridisation; human; phosphoinositide-3-kinase; regulatory subunit 4; p150; internucleoside linkage; phosphorothioate linkage; 2'-O-methoxycthyl sugar; 5-methylcytosine; infection; inflammation; tumour formation; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; metabolic disorder; immunomodulator;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                antisense; inhibitor; hybridisation; human; phosphoinositide-3-kinase;
regulatory subunit 4; p150; internucleoside linkage;
Phosphoinositide-3-kinase regulatory subunit 4 p150 fragment 124616.
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phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for
treating cancer, Chediak-Higashi syndrome or a metabolic disorder.
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100.0%; Pred. No. 1.4e+02;
rative 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Example 15; SEQ ID NO 106; 60pp; English.
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                                                                                                                                                                                                                                                                cytostatic; gene therapy; ds.
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Best Local Similarity 100.
Matches 20; Conservative
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18-SEP-2003; 2003US-00667022. 31-MAY-2002; 2002US-00160786.

US2004063657-A1

01-APR-2004.

Homo sapiens.

Freier SM, Dobie KW; WPI; 2004-282523/26.

FREI/) FREIER S M. (DOBI/) DOBIE K W.

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This invention describes a novel antisense oligonucleotides which specifically hybridises to and inhibits the expression of human specifically hybridises to and inhibits the expression of human converse to the specifically hybridises to and inhibits the expression of human colly mount of the state one modified internucleoside linkage, or lisonoucleotides comprises at least one modified sugar mojety, preferably a 2'-O-methoxyethyl sugar mojety. The antisense oligonucleotide further comprises at least one modified uncleobase, preferably a 5'-O-methoxyethyl sugar mojety. The nucleobase, preferably a S-methyl-vycosine. The antisense oligonucleotide can be used in diagnostics and as research reagents and kits. It can also be used prophylactically, e.g. to prevent or delay infection, inflammation or tumour formation. It can also be used to treat a disease or condition associated with phosphoinositide-l-kinase, regulatory subunit 4, pls0, e.g. hyperproliferative disorder, preferably cancer, can be used inventor a metabolic disorder. The products of the control o
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phosphorothioate linkage, 2'-O-methoxyethyl sugar; 5-methylcytosine; infection; inflammation; tumour formation; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; metabolic disorder; immunomodulator; cytostatic; gene therapy; ds.
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1.4e+02;
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100.0%; Pred. No.
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nes 20; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                           (DOBI/) DOBIE K W.
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                                                                                                                                                  Homo sapiens
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This invention describes a novel antisense oligonucleotides which geacifically hybridises to and inhibits the expression of human capacifically hybridises to and inhibits the expression of human compositide-3-kinase, regulatory subunit 4, piso. The phosphoinositide comprises at least one modified internucleoside linkage. Colligonucleotides comprises at least one modified sugar moiety, preferably a 2'-O-methoxyethy! sugar moiety. The comprises at least one modified sugar moiety, preferably a 2'-O-methoxyethy! sugar moiety. The confisense oligonucleotide further comprises at least one modified uncleobase, preferably a S-methylycvosine. The antisense oligonucleotide can be used in diagnostics and as research reagents and kits. It can also be used prophylactically, e.g. to prevent or delay infection, condition associated with phosphoinositide-3-kinase, regulatory condition associated with phosphoinositide-3-kinase, regulatory condition associated with phosphoinositide-3-kinase, regulatory condition are immunomodulators with cytostatic activity and can be used invented the condition are immunomodulators with cytostatic activity and can be used
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                                                                                                                                                                                                                                                                               New antisense compound targeted to a nucleic acid molecule encoding phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for treating cancer, Chediak-Higashi syndrome or a metabolic disorder.
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100.0%; Pred. No. 1.4e+02;
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                                                                                                                                                                                                                                                                                                                                                         Example 15; SEQ ID NO 146; 60pp; English.
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ADL34602 standard; DNA; 20 BP.
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modified_base
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Pred. No. 1.4e+02;
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               /note= "phosphorothioate backbone"
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100.0%; Pred. No. ...
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/mod_base= OTHER
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Similarity
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                                                                                                                                                           (FREI/) FREIER S M. (DOBI/) DOBIE K W.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               for gene therapy.
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This invention describes a novel antisense oligonucleotides which specifically hybridises to and inhibits the expression of human phosphoinositide3-kinase, regulatory subunit 4, p150. The phosphoinositide3-kinase, regulatory subunit 4, p150. The oligonucleotides comprises at least one modified internucleoside linkage, preferably a phosphorothioate linkage. It also comprises at least one modified and modety, preferably a 2'-O-methoxyethyl sugar molety. The antisense oligonucleotide further comprises at least one modified nucleobase, preferably a 5-methylcytosine. The antisense oligonucleotide can be used in diagnostics and as research reagents and kits. It can also be used prophylactically, e.g. to prevent or delay infection, inflammation or tumour formation. It can also be used to treat a disease or condition associated with phosphoinositide-3-kinase, regulatory subunit 4, p150, e.g. hyperprofiferative disorder, preferably cancer, chediak-Higashi syndrome or a metabolic disorder. The products of the invention are immunomodulators with cytostatic activity and can be used
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0.4%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 20; Conservative 0; Mismatches 0; Indels
   /mod_base= OTHER
/note= "phosphorothioate backbone"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Example 15; SEQ ID NO 51; 60pp; English.
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OTHER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GGTGCCGTGGGATTTATCAC 1
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ID ADL34651 standard; DNA; 20 BP
                                                                                                                                                                                                                                                                            31-MAY-2002; 2002US-00160786.
                                                                                                                                                                                                                18-SEP-2003; 2003US-00667022.
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                                                                                                                                                                                                                                                                                                                                                                                                                                   Dobie KW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         WPI; 2004-282523/26.
                                                                                                                                                                                                                                                                                                                                      (FREI/) FREIER S M.
                                                                                                                                                                                                                                                                                                                                                                      DOBIE K W.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                for gene therapy
                                                                                         US2004063657-A1.
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                                                                                                                                                      01-APR-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                   Freier SM,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADL34651;
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                                                                                                                                                                                                                                                                                                                                                                      (DOBI/)
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31-MAY-2002; 2002US-00160786
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                                                                                                                                                                                                                                                            This invention describes a novel antisense oligonucleotides which specifically hybridises to and inhibits the expression of human specifically hybridises to and inhibits the expression of human of phosphoinositide 3. The sequence oligonucleotides comprises at least one modified internucleoside linkage, or preferably a phosphorothioate linkage. It also comprises at least one modified sugar moiety, preferably a 2-O-methoxyethyl sugar moiety. The antisense oligonucleotide further comprises at least one modified uncleobase, preferably a 5-methylcytosine. The antisense oligonucleotide can be used in diagnostics and as research reagents and kits. It can also be used prophylactically, e.g. to prevent or delay infection, inflammation or tumour formation. It can also be used to treat a disease or condition associated with phosphoinositide-3-kinaes, regulatory subunit 4, pls0, e.g. hyperproliferative disorder, preferably cancer, chediak-Higashi syndrome or a metabolic disorder. The products of the invention are immunomodulators with cytostatic activity and can be used
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 antisense; inhibitor; hybridisation; human; phosphoinositide-3-kinase; regulatory subunit 4; plS0; internucleoside linkage; phosphorothioate linkage; 2'-O-methoxyethyl sugar; 5-methylcytosine; infection; inflammation; tumour formation; hyperproliferative disorder; cancer; chediak-Higashi syndrome; metabolic disorder; immunomodulator;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Phosphoinositide-3-kinase regulatory subunit 4 p150 fragment 124631.
                                                                                                                                                                                    New antisense compound targeted to a nucleic acid molecule encoding phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for treating cancer, Chediak-Higashi syndrome or a metabolic disorder.
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Pred. No. 1.4e+02;
0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 20 BP; 8 A; 5 C; 3 G; 4 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match 0.4%; Score 20; DB Best Local Similarity 100.0%; Pred. No. 1.4 Matches 20; Conservative 0; Mismatches
                                                                                                                                                                                                                                           Example 15; SEQ ID NO 97; 60pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        824 CITICCAGAAAGCAICAGAA 843
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CTTTCCAGAAGCATCAGAA 20
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                                          18-SEP-2003; 2003US-00667022.
                                                                       31-MAY-2002; 2002US-00160786.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     17-JUN-2004 (first entry)
                                                                                                                                       Freier SM, Dobie KW;
                                                                                                                                                                 WPI; 2004-282523/26.
                                                                                               (FREI/) FREIER S M. (DOBI/) DOBIE K W.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      for gene therapy.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           JS2004063657-A1
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                      01-APR-2004.
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This invention describes a novel antisense oligomuclectides which specifically hybridises to and inhibits the expression of human specifically hybridises to and inhibits the expression of human phosphoinositide 3-kinase, regulatory subunit 4, p150. The coligomuclectides comprises at least one modified internucleoside linkage, preferably a phosphorothicat linkage. It also comprises at least one antisense oligomuclectide further comprises at least one modified sugar molety, preferably a 2'-O-methoxyethyl sugar molety. The modified sugar molety, preferably a 2'-O-methoxyethyl sugar molety. The nucleobase, preferably a S-methylcytosine. The antisense oligomuclectide undeobase, preferably a sessarch reagents and kits. It can also be used prophylactically, e.g. to prevent or delay infection, inflammation or tumour formation. It can also be used to treat a disease or condition associated with phosphoinositide-3-kinase, regulatory subunit 4, p150, e.g. hyperproliferative disorder, preferably cancer, chediak-Higashi syndrome or a metabolic disorder. The products of the invention are immunomodulators with cytostatic activity and can be used
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                                                                                                                                                                                                                                             New antisense compound targeted to a nucleic acid molecule encoding phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for treating cancer, Chediak-Higashi syndrome or a metabolic disorder.
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100.0%; Pred. No. 1.4e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    100.0%; Pred. No. 1.4 tive 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                  Example 15; SEQ ID NO 117; 60pp; English.
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nes 20; Conservative
                                                                                                                  Freier SM, Dobie KW;
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                                                                                                                                                                                       WPI; 2004-282523/26.
(FREI/) FREIER S M. (DOBI/) DOBIE K W.
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(FREI/) FREIER S M.
               Freier SM,
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Matches
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                                                                                                                          This invention describes a novel antisense oligonucleotides which specifically hybridies to and inhibits the expression of human phosphoriositide-3-kinase, regulatory subunit 4, pi50. The oligonucleotide comprises at least one modified internucleoside linkage, preferably a phosphorothioate linkage. It also comprises at least one modified sugar molety, preferably a 2-O-methoxyethy sugar molety. The antisense oligonucleotide further comprises at least one modified nucleobase, preferably a 5-methylcytosine. The antisense oligonucleotide further comprises at least one modified nucleobase, preferably a 5-methylcytosine. The antisense oligonucleotide further comprises at least one modified nucleobase, preferably a 5-methylcytosine. The antisense oligonucleotide further comprises at least one modified nucleobase, preferably e.g. to prevent or delay infection, inflammation or tumour formation. It can also be used to treat a disease or condition associated with phosphoinositide-3-kinase, regulatory cubunit 4, p150, e.g. hyperproliferative disorder, preferably cancer, chediak-Higashi syndrome or a metabolic disorder. The products of the invention are immunomodulators with cytostatic activity and can be used
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                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
                                                   New antisense compound targeted to a nucleic acid molecule encoding phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for treating cancer, Chediak-Higashi syndrome or a metabolic disorder.
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                                                                                                                                                                                                                                                                                                                                                            Sequence 20 BP; 9 A; 6 C; 2 G; 3 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ISIS antisense oligonucleotide ISIS 206968.
                                                                                                    Example 15; SEQ ID NO 145; 60pp; English.
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*tag=
 Dobie KW;
                        WPI; 2004-282523/26.
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                                                                                                                                                                                                                                                                                                                                   for gene therapy.
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modified_base
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Preier SM,
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This invention describes a novel antisense oligonucleotides which specifically hybridises to and inhibits the expression of human phosphoinositide-3-kinase, regulatory subunit 4, p150. The oligonucleotides comprises at least one modified internucleoside linkage. Comprises at least one modified internucleoside linkage. It also comprises at least one modified sugar molety, preferably a 2'-O-methoxyethyl sugar molety. The antisense oligonucleotide further comprises at least one modified nucleobase, preferably a 5-methylcytosine. The antisense oligonucleotide further comprises at least one modified can be used in diagnostics and as research reagents and kits. It can also can be used prophylactically, e.g. to prevent or delay infection, inflammation or tumour formation. It can also be used to treat a disease or condition associated with phosphoinositide-3-kinase, regulatory subunit 4, p150, e.g. hyperproliferative disorder, preferably cancer, chediak-Higashi syndrome or a metabolic disorder. The products of the invention are immunomodulators with cytostatic activity and can be used
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                                                                                                                                                compound targeted to a nucleic acid molecule encoding
                                                                                                                                                              New antisense compound targeted to a nucleic acid molecule encodin
phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for
treating cancer, Chediak-Higashi syndrome or a metabolic disorder.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 20 BP; 4 A; 3 C; 5 G; B T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ISIS antisense oligonucleotide ISIS 206990.
                                                                                                                                                                                                                                                                                                                                Example 15; SEQ ID NO 22; 60pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    824 CTTTCCAGAAGCATCAGAA 843
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*tag= a
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Dobie KW;
                                                                               WPI; 2004-282523/26.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               for gene therapy.
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modified_base
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This invention describes a novel antisense oligonucleotides which specifically hybridises to and inhibits the expression of human phosphoinositide-3-kinase, regulatory subunit 4, piso. The phosphoinositide-3-kinase, regulatory subunit 4, piso. The coligonucleotides comprises at least one modified internucleoside linkage, preferably a phosphorothicate linkage. It also comprises at least one confisied sugar molety, preferably a 2'-O-methoxyethy! sugar molety. The modified sugar molety, preferably a 2'-O-methoxyethy! sugar molety. The nucleobase, preferably a S-methylovosine. The antisense oligonucleotide nucleobase, preferably a seasonful reagents and kits. It can also be used in diagnostics and as research reagents and kits. It can also be used prophylactically, e.g. to prevent or delay infection, condition associated with phosphoinositide-3-kinase, regulatory subunit 4, piso, e.g. typerproliferative disorder, preferably cancer, chediak-Higashi syndrome or a metabolic disorder. The products of the invention are immunomodulators with cytostatic activity and can be used
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         antisense; inhibitor; hybridisation; human; phosphoinositide-3-kinase; regulatory subunit 4; p150; internucleoside linkage; phosphorothioate linkage; 2'-O-methoxytelpyl sugar; 5-methylcytosine; infection; inflammation; tumour formation; hyperproliferative disorder; cancer; Chedlak-Higashi syndrome; metabolic disorder; immunomodulator; cytostatic; gene therapy; ss; primer.
                                                                                                                                                              New antisense compound targeted to a nucleic acid molecule encoding phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for treating cancer, Chediak-Higashi syndrome or a metabolic disorder.
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100.0%; Pred. No. 1.40+02;
ive 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                    Example 15; SEQ ID NO 53; 60pp; English.
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Best Local Similarity 100.0
Matches 20, Conservative
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/*tag=
                                                                        Freier SM, Dobie KW;
                                                                                                                          WPI; 2004-282523/26
(FREI/) FREIER S M. (DOBI/) DOBIE K W.
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modified_base
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                                                                                                                                                                                                                                                                                            This invention describes a novel antisense oligonucleotides which specifically hybridises to and inhibits the expression of human phosphoinositide-3 kinase, regulatory subunit 4, p150. The phosphoinositide-3 kinase, regulatory subunit 4, p150. The phosphoinositide comprises at least one modified internucleoside linkage, preferably a phosphorothicate linkage. It also comprises at least one modified sugar moiety, preferably a 2'-0-methoxyethyl sugar moiety. The modified sugar moiety, preferably a 2'-0-methoxyethyl sugar moiety. The nucleobase, preferably a 5-methylycosine. The antisense oligonucleotide can bused in diagnostics and as research reagents and kits. It can also be used prophylactically, e.g. to prevent or delay infection, inflammation or tumour formation. It can also be used to treat a disease or condition associated with phosphoinositide-3-kinase, regulatory condition associated with phosphoinositide-3-kinase, regulatory canbunit 4, p150, e.g. hyperproliferative disorder, preferably cancer, chediak-Higashi syndrome or a metabolic disorder. The products of the invention are immunomodulators with cytostatic activity and can be used
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                                                                                                                                                    New antisense compound targeted to a nucleic acid molecule encoding phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for treating cancer, Chediak-Higashi syndrome or a metabolic disorder.
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100.0%; Pred. No. 1.4e+02;
tive 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                            Example 15; SEQ ID NO 44; 60pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        cytostatic; gene therapy; ss; primer
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/*tag= a
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Best Local Similarity 100.
Matches 20; Conservative
                                                                 Freier SM, Dobie KW;
                                                                                                             WPI; 2004-282523/26
                  (DOBI/) DOBIE K W.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           for gene therapy
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modified_base
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Gaps

Dobie KW

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New antisense compound targeted to a nucleic acid molecule encoding phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for treating cancer, Chediak-Higashi syndrome or a metabolic disorder.
 31-MAY-2002; 2002US-00160786.
                                                                                         WPI; 2004-282523/26.
                        (FREI/) FREIER S M. (DOBI/) DOBIE K W.
                                                               Freier SM,
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ADL34630/c
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                                                                                                                                                                            This invention describes a novel antisense oligonucleotides which specifically hybridises to and inhibits the expression of human phosphoinositide-3-kinase, regulatory subunit 4, pi50. The oligonucleotides comprises at least one modified internucleoside linkage, preferably a phosphorothioate linkage. It also comprises at least one modified sugar molety, preferably a 2-0-methoxyethyl sugar molety. The antisense oligonucleotide further comprises at least one modified nucleobase, preferably a 5-methylcytosine. The antisense oligonucleotide can be used in diagnostics and as research reagents and kits. It can also be used prophylactically, e.g. to prevent or delay infection, inflammation or tumour formation. It can also be used to treat a disease or condition associated with phosphoinositide-3-kinase, regulatory chediak-Higashi syndrome or a metabolic disorder, preferably cancer, chediak-Higashi syndrome or a metabolic disorder. The products of the invention are immunomodulators with cytostatic activity and can be used
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                                                                                                                                                                                                                                                                                                                                                                                                                                                            0; Gaps
                                                                                                    New antisense compound targeted to a nucleic acid molecule encoding phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for treating cancer, Chediak-Higashi syndrome or a metabolic disorder.
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100.0%; Pred. No. 1.4e+02;
tive 0; Mismatches 0; Indels
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                                                                                                                                                     Example 15; SEQ ID NO 60; 60pp; English.
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*tag= a
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                                                   Freier SM, Dobie KW;
                                                                            WPI; 2004-282523/26.
            FREIER S M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                Local Similarity
                        DOBIE K W.
                                                                                                                                                                                                                                                                                                                                                                                for gene therapy.
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modified_base
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            (FREI/)
                         (DOBI/)
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Matches
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This invention describes a novel antisense oligonucleotides which specifically hybridises to and inhibits the expression of human phosphoriositide. There is regulatory subunit 4, p150. The oligonucleotides comprises at least one modified internucleoside linkage. Comprises at least one modified internucleoside linkage. It also comprises at least one modified antisense oligonucleotide further comprises at least one modified uncleobase, preferably a 2.0-methoxyethyl sugar molety. The antisense oligonucleotide further comprises at least one modified nucleobase, preferably a 5-methylcytosine. The antisense oligonucleotide can be used in diagnostics and as research reagents and kits. It can also be used prophylactically, e.g. to prevent or delay infection, inflammation or tumour formation. It can also be used to treat a disease or condition associated with phosphoinositide-3-kinase, regulatory combunit 4, p150, e.g. hyperproliferative disorder, preferably cancer, chediak-Higashi syndrome or a metabolic disorder. The products of the invention are immunomodulators with cytostatic activity and can be used
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100.0%; Pred. No. 1.4e+02;
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/note= "phosphorothioate backbone"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ISIS antisense oligonucleotide ISIS 207030.
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Example 15; SEQ ID NO 62; 60pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    3431 GCAATGCTGAGAGAATAGCT 3450
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Best Local Similarity 100.
Matches 20; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            or gene therapy
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modified_base
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADL34630;
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18-SEP-2003; 2003US-00667022.

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                                                                                                                                                                                                 This invention describes a novel antisense oligonucleotides which gpecifically hybridises to and inhibits the expression of human gpecifically hybridises to and inhibits the expression of human compositide-3-kinase, regulatory subunit 4, p150. The phosphoinositides comprises at least one modified internucleoside linkage. Oligonucleotides comprises at least one modified sugar moiety, preferably a 2'-0-methoxyethyl sugar moiety. The modified sugar moiety, preferably a 2'-0-methoxyethyl sugar moiety. The comprises oligonucleotide further comprises at least one modified on ucleobase, preferably a 5-methylcytosine. The antisense oligonucleotide can be used in diagnostics and as research reagents and kits. It can also be used prophylactically, e.g. to prevent or delay infection, associated with phosphoinositide-3-kinase, regulatory or condition associated with phosphoinositide-3-kinase, regulatory current chall ak-Higashi syndrome or a metabolic disorder, The products of the invention are lumunomodulators with cytostatic activity and can be used for gene therapy.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          antisense; inhibitor; hybridisation; human; phosphoinositide-3-kinase; regulatory subunit 4; p150; internucleoside linkage; phosphorothioate linkage; 2'-0-methoxyethyl sugar; 5-methylcytosine; infection; inflammation; twonur formation; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; metabolic disorder; immunomodulator; cytostatic; gene therapy; ss; primer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
                                                                                                                              targeted to a nucleic acid molecule encoding
                                                                                                                               New antisense compound targeted to a nucleic acid molecule encodin
phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for
treating cancer, Chediak-Higashi syndrome or a metabolic disorder.
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0.4%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 20; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 /note= "phosphorothioate backbone"
                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 20 BP; 3 A; 8 C; 2 G; 7 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ISIS antisense oligonucleotide ISIS 207040.
                                                                                                                                                                                 Example 15; SEQ ID NO 76; 60pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        4212 GGAGACTGGTGACAGAAGAT 4231
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      20 GGAGACTGGTGACAGAAGAT 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADL34640 standard; DNA; 20 BP
                 31-MAY-2002; 2002US-00160786
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/*tag= a
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                                                                                Freier SM, Dobie KW;
                                                                                                        WPI; 2004-282523/26.
                                           (FREI/) FREIER S M. (DOBI/) DOBIE K W.
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modified_base
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This invention describes a novel antisense oligonucleotides which specifically hybridises to and inhibits the expression of human phosphoinositide-3-kinase, regulatory subunit 4, p150. The phosphoinositide-3-kinase, regulatory subunit 4, p150. The coligonucleotides comprises at least one modified internucleoside linkage, coligonucleotides comprises at least one modified sugar molety, preferably a 2'-O-methoxyethyl sugar molety. The modified sugar molety, preferably a 2'-O-methoxyethyl sugar molety. The modified sugar molety, preferably a 2'-O-methoxyethyl sugar molety. The nucleobase, preferably a 5-methylcytosine. The antisense oligonucleotide con be used in diagnostics and as research reagents and kits. It can also be used prophylactically, e.g. to prevent or delay infection, inflammation or tumour formation. It can also be used to treat a disease or condition associated with phosphoinositide-3-kinase, regulatory subunit 4, p150, e.g. hyperproliferative disorder, preferably cancer, chediak-Higashi syndrome or a metabolic disorder. The products of the invention are immunomodulators with cytostatic activity and can be used
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
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                                                                                                                                                                                                                                                                                                                New antisense compound targeted to a nucleic acid molecule encoding phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for treating cancer, Chediak-Higashi syndrome or a metabolic disorder.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              100.0%; Pred. ...
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Example 15; SEQ ID NO 86; 60pp; English.
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31-MAY-2002; 2002US-00160786.
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                                                                                                                                                                                  Freier SM, Dobie KW;
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                                                                                                                                                                                                                                                           WPI; 2004-282523/26
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Best Local Similarity
Matches 20; Conserv
                                                                        (FREI/) FREIER S M. (DOBI/) DOBIE K W.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     for gene therapy.
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                                                                                                                                                         This invention describes a novel antisense oligonucleotides which specifically hybridises to and inhibits the expression of human phosphoinositide-3-kinase, regulatory subunit 4, p150. The oligonucleotides comprises at least one modified internucleoside linkage, preferably a phosphorothioate linkage. It also comprises at least one modified sugar molety, preferably a 2-0-methoxyethyl sugar molety. The antisense oligonucleotide further comprises at least one modified nucleobase, preferably a 5-methylcytosine. The antisense oligonucleotide further comprises at least one modified nucleobase, preferably a 5-methylcytosine. The antisense oligonucleotide further comprises at least one modified nucleobase, preferably e.g. to prevent or delay infection, inflammation or tumour formation. It can also be used prophylactically, e.g. to prevent or delay infection, inflammation or tumour formation. It can also be used to treat a disease or condition associated with phosphoinositide-3-kinase, regulatory canbunit 4, p150, e.g. hyperproliferative disorder, preferably cancer, chediak-Higashi syndrome or a metabolic disorder. The products of the invention are immunomodulators with cytostatic activity and can be used
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                                                                                 New antisense compound targeted to a nucleic acid molecule encoding
                                                                                            phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for
treating cancer, Chediak-Higashi syndrome or a metabolic disorder.
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Pred. No. 1.4e+02;
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                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 20 BP; 3 A; 4 C; 8 G; 5 T; 0 U; 0 Other;
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                                                                                                                                    Example 15; SEQ ID NO 95; 60pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (first entry)
                           Freier SM, Dobie KW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Freier SM, Dobie KW;
                                                    WPI; 2004-282523/26.
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(DOBI/) DOBIE K W.
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                                                                                                                                                                                                                                                                                                                                                                      for gene therapy
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This invention describes a novel antisense oligonucleotides which specifically hybridises to and inhibits the expression of human propositioality habridises to and inhibits the expression of human propositioasticals. The phosphoriosticals at least one modified internucleoside linkage, oligonucleotides comprises at least to condition internucleoside linkage, preferably a 2.0-methoxyethyl sugar molety. The modified sugar molety, preferably a 2.0-methoxyethyl sugar molety. The antisense oligonucleotide further comprises at least one modified antisense oligonucleotide further comprises at least one modified can be used in diagnostics and as research reagents and kits. It can also be used prophylactically, e.g. to prevent or delay infection, inflammation or tumour formation. It can also be used to treat a disease or condition associated with phospholnositide-3-kinse, regulatory subunit 4, p150, e.g. hyperproliferative disorder, preferably cancer, Chediak-Higashi syndrome or a metabolic disorder. The products of the invention are immunomodulators with cytostatic activity and can be used
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gape
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Phosphoinositide-3-kinase regulatory subunit 4 p150 fragment 124648.
                          New antisense compound targeted to a nucleic acid molecule encoding phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for treating cancer, Chediak-Higashi syndrome or a metabolic disorder.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 20 BP; 5 A; 6 C; 5 G; 4 T; 0 U; 0 Other;
                                                                                                                                         Example 15; SEQ ID NO 115; 60pp; English.
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Best Local Similarity 100.0
----hes 20; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      for gene therapy.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADL34687;
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Example 15; SEQ ID NO 17; 60pp; English.
                                                                                                                                                                                                                      for gene therapy.
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modified_base
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                    ADL34593;
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                  This invention describes a novel antisense oligonucleotides which specifically hybridises to and inhibits the expression of human phosphoinositide 3-kinase, regulatory subunit 4, p150. The coligonucleotides comprises at least one modified internucleoside linkage, oligonucleotides comprises. It also comprises at least one modified sugar moiety, preferably a 2'-O-methoxyethyl sugar moiety. The antisense oligonucleotide further comprises at least one modified sugar moiety, preferably a 2'-O-methoxyethyl sugar moiety. The nucleobase, preferably a S-methylcytosine. The antisense oligonucleotide nucleobase, preferably a sressarch reagents and kits. It can also be used prophylactically, e.g. to prevent or delay infection, inflammation or tumour formation. It can also be used to treat a disease or condition associated with phosphoinositide-3-kinase, regulatory subunit 4, p150, e.g. hyperproliferative disorder, preferably cancer, chediak-higashi syndrome or a metabolic disorder. The products of the invention are immunomodulators with cytostatic activity and can be used
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         New antisense compound targeted to a nucleic acid molecule encoding phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for treating cancer, Chediak-Higashi syndrome or a metabolic disorder.
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                                                                                                                                                                                                                                                          0.4%; Score 20; DB 1; Length 20;
100.0%; Pred. No. 1.4e+02;
ive 0; Mismatches 0; Indels
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/note= "phosphorothioate backbone"
                                                                                                                                                                                                                                      Sequence 20 BP; 6 A; 3 C; 5 G; 6 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ISIS antisense oligonucleotide ISIS 206963.
   Example 15; SEQ ID NO 133; 60pp; English.
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ID ADL34571 standard; DNA; 20 BP.
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/*tag=
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                                                                                                                                                                                                                                                                              Local Similarity
                                                                                                                                                                                                                  for gene therapy.
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modified base
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This invention describes a novel antisense oligonucleotides which specifically hybridises to and inhibits the expression of human phosphoinositide-3-kinase, regulatory subunit 4, p150. The phosphoinositide-3-kinase, regulatory subunit 4, p150. The coligonucleotides comprises at least one modified internucleoside linkage, or entisense modety, preferably a 2'-O-methoxyethyl sugar moiety. The modified sugar moiety, preferably a 2'-O-methoxyethyl sugar moiety. The modified sugar moiety, preferably a 2'-O-methoxyethyl sugar moiety. The nucleobase, preferably a 5-methyloytosine. The antisense oligonucleotide can be used in diagnostics and as research reagents and kits. It can also be used indiagnostics and as research reagents and kits. It can also be used prophylactically, e.g. to prevent or delay infection, or condition associated with phosphoinositide-3-kinase, regulatory subunit 4, p150, e.g. hyperproliferative disorder, preferably cancer, chediak-Higashi syndrome or a metabolic disorder. The products of the invention are immunomodulators with cytostatic activity and can be used
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 20; DB 1; Length 20;
Pred. No. 1.4e+02;
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100.0%; Pred. No. ...
0; Mismatches
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/mod base= OTHER
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Best Local Similarity 100.0
Matches 20; Conservative
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*tag=
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Matches
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                                                                            This invention describes a novel antisense oligonucleotides which specifically hybridises to and inhibits the expression of human phosphoinositide-3-kinase, regulatory subunit 4, piso. The phosphoinositide-3-kinase at least one modified internucleoside linkage, preferably a phosphorothioate linkage. It also comprises at least one moistled sugar molety, preferably a 2-0-methoxycethy sugar molety. The antisense oligonucleotide further comprises at least one molety. The antisense oligonucleotide further comprises at least one molety. The nucleobase, preferably a 5-methylcytosine. The antisense oligonucleotide can be used prophylactically, e.g. to prevent or delay infection, inflammation or tumour formation. It can also be used to treat a disease or condition associated with phosphoinositide-3-kinase, regulatory cubunit 4, piso, e.g. hyperproliferative disorder, preferably cancer, chediak-Higashi syndrome or a metabolic disorder. The products of the invention are immunomodulators with cytostatic activity and can be used
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treating cancer, Chediak-Higashi syndrome or a metabolic disorder.
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                                         Example 15; SEQ ID NO 39; 60pp; English.
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/*tag= a
/mod_base= OTHER
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Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                              for gene therapy.
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modified_base
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      invention are immunomodulators with cytostatic activity and can be used
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                          treating cancer, Chediak-Higashi syndrome or a metabolic disorder
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phosphoinositide-3-kinase, regulatory subunit 4, p150, useful
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                                                                                                        Example 15; SEQ ID NO 43; 60pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               VPI; 2004-282523/26
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               for gene therapy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US2004063657-A1
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modified_base
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Synthetic.
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31-MAY-2002; 2002US-00160786.
                                                                                                                                                                                                                                                     18-SEP-2003; 2003US-00667022
                                                                                               Query Match
Best Local Similarity 100.0
Matches 20; Conservative
                                                                                                                                                                                                                                                                                 Freier SM, Dobie KW;
                                                                                                                                                                                                                                                                                         WPI; 2004-282523/26.
                                                                                                                                                                                                                                                                     (FREI/) FREIER S M. (DOBI/) DOBIE K W.
                                                                                  for gene therapy
                                                                                                                                                                                                                                      US2004063657-A1
                                                                                                                                                                                                              Key
modified_base
                                                                                                                                                            17-JUN-2004
                                                                                                                                                                                               cytostatic;
                                                                                                                                                                                                                                              01-APR-2004.
                                                                                                                                                                                                       Synthetic.
                                                                                                                                                    ADL34621;
                                                                                                                                     RESULT 203
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This invention describes a novel antisense oligonuclectides which specifically hybridises to and inhibits the expression of human phosphoinositide-3-kinase, regulatory subunit 4, piso. The phosphoinositide-3-kinase, regulatory subunit 4, piso. The oligonuclectides comprises at least one modified internucleoside linkage. Complied sugar molety, preferably a 2'-0-methoxyethyl sugar molety. The antisense oligonuclectide further comprises at least one modified antisense oligonuclectide further comprises at least one modified antisense oligonoclectide further comprises at least one modified antisense oligonoclectide further comprises at least one modified on be used in diagnostics and as research reagents and kits. It can also be used prophylactically, e.g. to prevent or delay infection.

CC inflammation or tumour formation. It can also be used to treat a disease or or condition associated with phosphoinositide-3-kinase, regulatory subunit 4, piso, e.g. hyperproliferative disorder, preferably cancer, chediak-Higashi syndrome or a metabolic disorder. The products of the invention are immunomodulators with cytostatic activity and can be used antisense, inhibitor; hybridisation; human; phosphoinositide-3-kinase; regulatory subunit 4; p150; internucleoside linkage; phosphorothioate linkage; 2'-0-methoxyethyl sugar; 5-methylcytosine; infection; inflammation; tumour formation; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; metabolic disorder; immunomodulator; cytostatic; gene therapy; ds. New antisense compound targeted to a nucleic acid molecule encoding phosphoinositide-1-kinase, regulatory subunit 4, p150, useful for treating cancer, Chediak-Higashi syndrome or a metabolic disorder. Phosphoinositide-3-kinase regulatory subunit 4 p150 fragment 124605. Length 20; 0; Indels Sequence 20 BP; 9 A; 2 C; 5 G; 4 T; 0 U; 0 Other; Score 20; DB 1; Losted. No. 1.4e+02; Query Match 0.4%; Score 20; ub. Best Local Similarity 100.0%; Pred. No. 1.4 English. 3583 TCACTTTTGCAACATGTTC 3602 Example 15; SEQ ID NO 67; 60pp; ADL34652 standard; DNA; 20 BP. 18-SEP-2003; 2003US-00667022. 31-MAY-2002; 2002US-00160786. 17-JUN-2004 (first entry) Freier SM, Dobie KW; WPI; 2004-282523/26. (FREI/) FREIER S M. (DOBI/) DOBIE K W. for gene therapy. US2004063657-A1. 01-APR-2004. 20 ADL34652; RESULT 204 ADL34652 8 g This invention describes a novel antisense oligonucleotides which specifically hybridises to and inhibits the expression of human phosphoinositide-3-kinase, regulatory subunit 4, pi50. The oligonucleotides comprises at least one modified internucleoside linkage, preferably a phosphorothioate linkage. It also comprises at least one modified sugar molety, preferably a 2-0-methoxyethyl sugar molety. The antisense oligonucleotide further comprises at least one modified nucleobase, preferably a 5-methylcytosine. The antisense oligonucleotide can be used in diagnosetics and as research reagents and kits. It can also be used prophylactically, e.g. to prevent or delay infection.

In condition or tumour formation. It can also be used to treat a disease or condition associated with phosphoinositide-3-kinase, regulatory subunit 4, pi50, e.g. hyperproliferative disorder, preferably cancer, contention are immunomedulators with cytostatic activity and can be used ö antisense; inhibitor; hybridisation; human; phosphoinositide-3-kinase; regulatory subunit 4; pl50; internucleoside linkage; phosphorothioate linkage; 2'-0-methoxysthyl sugar; 5-methylcytosine; infection; inflammation; tumour formation; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; metabolic disorder; immunomodulator; Gaps New antisense compound targeted to a nucleic acid molecule encoding phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for treating cancer, Chediak-Higashi syndrome or a metabolic disorder. ٥, 0.4%; Score 20; DB 1; Length 20; 100.0%; Pred. No. 1.4e+02; 1ve 0; Mismatches 0; Indels /note= "phosphorothioate backbone" Sequence 20 BP; 5 A; 3 C; 4 G; 8 T; 0 U; 0 Other; ISIS antisense oligonucleotide ISIS 207021. Example 15; SEQ ID NO 59; 60pp; English. gene therapy; ss; primer Location/Qualifiers 3318 AAAACCAGTAATACCGGTTT 3337 mod_base= OTHER 20 AAAACCAGTAATACCGGTTT 1 ADL34621 standard; DNA; 20 BP. ര (first entry) 1. .20 /*tag=

New antisense compound targeted to a nucleic acid molecule encoding phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for treating cancer, Chediak-Higashi syndrome or a metabolic disorder.

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Gaps

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This invention describes a novel antisense oligonucleotides which specifically hybridises to and inhibits the expression of human phosphoinositide3-*Kinase, regulatory subunit 4, p150. The coligonucleotides comprises at least one modified internucleoside linkage, preferably a phosphorothioate linkage. It also comprises at least one modified sugar moiety, preferably a 2-0-methoxyethyl sugar moiety. The antisense oligonucleotide further comprises at least one modified contesoned in diagnostics and as research reagents and kits. It can also be used prophylactically, e.g. to prevent or delay infection, inflammation or tumour formation. It can also be used to treat a disease or condition associated with phosphoinositide-3-kinase, regulatory subunit 4, p150, e.g. hyperproliferative disorder, preferably cancer, Chediak-Higashi syndrome or a metabolic disorder. The products of the invention are immunomodulators with cytostatic activity and can be used
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            antisense; inhibitor; hybridisation; human; phosphoinositide-3-kinase; regulatory subunit 4; p150; internucleoside linkage; phosphorothicate linkage; 2'-0-methoxyethyl sugar; 5-methylcytosine; infection; inflammation; tumour formation; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; metabolic disorder; immunomodulator; cytostatic; gene therapy; ds.
                                                                                                                                                                                                                                                                                                                                                                                                    0; Gaps
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                                                                                                                                                                                                                                                                                                                                                            0.4%; Score 20; DB 1; Length 20;
100.0%; Pred. No. 1.4e+02;
tive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                Sequence 20 BP; 6 A; 3 C; 7 G; 4 T; 0 U; 0 Other;
 Example 15; SEQ ID NO 98; 60pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                      875 GGCAGTATGTGCGAGACAAT 894
                                                                                                                                                                                                                                                                                                                                                                                                                                                        GGCAGTATGTGCGAGACAAT 20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADL34664 standard; DNA; 20
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les 20; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (DOBI/) DOBIE K W.
                                                                                                                                                                                                                                                                                               for gene therapy
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                                                                                                                                                                                                                                                                                                                                                                  Query Match
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ADL34664
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New antisense compound targeted to a nucleic acid molecule encoding phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for treating cancer, Chediak-Higashi syndrome or a metabolic disorder.

Freier SM, Dobie KW; WPI; 2004-282523/26. This invention describes a novel antisense oligonucleotides which specifically hybridises to and inhibits the expression of human phospholnositide-3-kinase, regulatory subunit 4, p150. The

Example 15; SEQ ID NO 110; 60pp; English.

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preferably a phosphorothioate linkage. It also comprises at least one modified edugar molety, preferably a 2'-O-methoxyethyl sugar molety. The antisense oligonuclectide further comprises at least one antisense oligonuclectide further comprises at least one modified nucleobase, preferably a 5-methylcytosine. The antisense oligonuclectide further comprises at least one modified can be used in diagnostics and as research resgents and kits. It can also be used prophylactically, e.g. to prevent or delay infection, inflammation or tumour formation. It can also be used to treat a disease or condition associated with phosphoinositide-3-kinase, regulatory subunit 4, p150, e.g. hyperproliferative disorder, preferably cancer, chediak-Higashi syndrome or a metabolic disorder. The products of the invention are immunomodulators with cytostatic activity and can be used
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             This invention describes a novel antisense oligonucleotides which specifically hybridises to and inhibits the expression of human phosphoinositide-3-kinase, regulatory subunit 4, p150. The oligonucleotides comprises at least one modified internucleoside linkage, preferably a phosphorothioate linkage. It also comprises at least one modified sugar moiety, preferably a 2'0-methoxyethyl sugar moiety antisense oligonucleotide further comprises at least one modified
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   nucleobase, preferably a 5-methylcytosine. The antisense oligonucleotide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  antisense; inhibitor; hybridisation; human; phosphoinositide-3-kinase; regulatory subunit 4; p150; internucleoside linkage; phosphorothioate linkage; 2'-O-methoxyethyl sugar; 5-methylcytosine; infection; inflammation; tumour formation; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; metabolic disorder; immunomodulator; cytostatic; gene therapy; ds.
                                                                                                                                                                                                                                                                                                                                                                                                   Gape
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Phosphoinositide-3-kinase regulatory subunit 4 p150 fragment 124642.
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                                                                                                                                                                                                                                                                                                                                                   ch 0.4%; Score 20; DB 1; Length 20; 1 Similarity 100.0%; Pred. No. 1.4e+02; 20; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                             Sequence 20 BP; 5 A; 6 C; 2 G; 7 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Example 15; SEQ ID NO 128; 60pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                           1706 CTGTTATAACATCCTGCCTA 1725
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 crerraracarccreccra 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADL34682 standard; DNA; 20 BP
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (DOBI/) DOBIE K W.
                                                                                                                                                                                                                                                                       for gene therapy
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                                                                                                                                                                                                                                                                                                                                                      Query Match
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                                                                                                                                                                                                                                                                                                                                                                                                Matches
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can be used in diagnostics and as research reagents and kits. It can also be used prophylactically, e.g. to prevent or delay infection, inflammation or tumour formation. It can also be used to treat a disease or condition associated with phosphoinositide-3-kinase, regulatory subunit 4, pl50, e.g. hyperproliferative disorder, preferably cancer, chediak-Higashi syndrome or a metabolic disorder. The products of the invention are immunomodulators with cytostatic activity and can be used
                                                                                                                                                                                                                                                                                                                                                                                                                                                         regulatory subunit 4; p150; internucleoside linkage; phosphorothioate linkage; 2'-O-methoxyethyl sugar; 5-methylcytosine; infection; inflammation; tumour formation; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; metabolic disorder; immunomodulator;
                                                                                                                                                                                                                                                                                                                                                                                                                                           antisense; inhibitor; hybridisation; human; phosphoinositide-3-kinase;
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                                                                                                                                                                                            ;
                                                                                                                                                               Length 20;
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                                                                                                                                 Sequence 20 BP; 6 A; 6 C; 2 G; 6 T; 0 U; 0 Other;
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100.0%; Pred. No. 1.4e+02;
ive 0; Mismatches 0;
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                                                                                                                                                                                                                           3341 GTAGTACAATCTTACCATCC 3360
                                                                                                                                                                                                                                             ADL34684 standard; DNA; 20 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          cytostatic; gene therapy; ds.
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                                                                                                                                                                                   Similarity
                                                                                                            for gene therapy.
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                                                                                                                                                                                                 20;
                                                                                                                                                                                                                                                                                                                                                             ADL34684;
                                                                                                                                                                     Query Match
Best Local 9
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                                                                                                                                                                                                 Matches
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This invention describes a novel antisense oligonucleotides which specifically hybridises to and inhibits the expression of human phosphoinostitée-3-kinase, regulatory submit 4, pl50. The oligonucleotides comprises at least one modified internucleoside linkage, preferably a phosphorothioate linkage. It also comprises at least one modified sugar motety, preferably a 2'-0-methoxyethyl sugar motety. The antisense oligonucleotide further comprises at least one modified nucleobase, preferably a 5-methylcytosine. The antisense oligonucleotide can be used in diagnostics and as research reagents and kite. It can also be used prophylactically, e.g. to prevent or delay infection, if the inflammation or tumour formation. It can also be used to treat a disease or condition associated with phosphoinositide-3-kinase, regulatory
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             antisense; inhibitor; hybridisation; human; phosphoinositide-3-kinase; regulatory subunit 4; p150; internucleoside linkage; phosphorothioate linkage; 2'-O-methoxyethyl sugar; 5-methylcytosine; infection; inflammation; tumour formation; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; metabolic disorder; immunomodulator; cytostatic; gene therapy; ss; primer.
Chediak-Higashi syndrome or a metabolic disorder. The products of the invention are immunomodulators with cytostatic activity and can be used
                                                                                                                                                                                                                                                                 Gaps
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                                                                                                                                                                                                   0.4%; Score 20; DB 1; Length 20; 00.0%; Pred. No. 1.4e+02;
                                                                                                                                                                                                                                                                 0; Indels
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                                                                                                                                  Sequence 20 BP; 7 A; 3 C; 6 G; 4 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ISIS antisense oligonucleotide ISIS 207000.
                                                                                                                                                                                                                                         100.0%; Pred. No. 1.4 cive 0; Mismatches
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                                                                                                                                                                                                                                                                                                                                     3431 GCAATGCTGAGAGAATAGCT 3450
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Best Local Similarity 100.
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                                                                                  for gene therapy.
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Synthetic
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subunit 4, p150, e.g. hyperproliferative disorder, preferably cancer, Chediak-Higashi syndrome or a metabolic disorder. The products of the invention are immunomodulators with cytostatic activity and can be used
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        antisense; inhibitor; hybridisation; human; phosphoinositide-3-kinase; regulatory subunit 4; p150; internucleoside linkage; phosphorothioate linkage; 2'-O-methoxyethyl sugar; 5-methylcytosine; infection; inflammation; tumour formation; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; metabolic disorder; immunomodulator;
                                                                                                                                                                                                    Gaps
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treating cancer, Chediak-Higashi syndrome or a metabolic disorder.
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                                                                                                                                                        Length 20;
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                                                                                                           Sequence 20 BP; 5 A; 3 C; 8 G; 4 T; 0 U; 0 Other;
                                                                                                                                                    0.4%; Score 20; DB 1; L. 100.0%; Pred. No. 1.4e+02; tive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ISIS antisense oligonucleotide ISIS 207010.
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                                                                    for gene therapy
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modified_base
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or condition associated with phosphoinositide-3-kinase, regulatory subunit 4, p150, e.g. hyperproliferative disorder, prefetrably cancer, Chediak Higashi syndrome or a metabolic disorder. The products of the invention are immunomodulators with cytostatic activity and can be used
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                                                                                                                                                                                                 Sequence 20 BP; 5 A; 7 C; 4 G; 4 T; 0 U; 0 Other;
                                                                                                                                                                                                                                          0.4%; Scor.
100.0%; Pred. No. ...
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ID ADL34626 standard; DNA; 20
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                                                                                                                                    for gene therapy.
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This invention describes a novel antisense oligonucleotides which specifically hybridises to and inhibits the expression of human phosphoinositide-3-kinase, regulatory subunit 4, p150. The prosphorositide accomprises at least one modified internucleoside linkage, preferably a phosphorothioate linkage. It also comprises at least one modified sugar moiety, preferably a 2-0-methoxysthyl sugar moiety. The antisense oligonucleotide further comprises at least one modified nucleobase, preferably a 5-methylycytosine. The antisense oligonucleotide can be used in diagnostics and as research reagents and kits. It can also
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inflammation or tumour formation. It can also be used to treat a disease or condition associated with phosphoinositide-3-kinase, regulatory subunit. 4, p150, e.g. hyperproliferative disorder, preferably cancer, Chedia-Higashi syndrome or a metabolic disorder. The products of the invention are immunomodulators with cytostatic activity and can be used
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             antisense; inhibitor; hybridisation; human; phosphoinositide-3-kinase; regulatory subunit 4; p150; internucleoside linkage; phosphorothioate linkage; 2'-O-methoxyethyl sugar; 5-methylcytosine; infection; inflammation; tumour formation; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; metabolic disorder; immunomodulator;
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                                                                                           for gene therapy
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This invention describes a novel antisense oligonucleotides which specifically hybridises to and inhibits the expression of human specifically hybridises to and inhibits the expression of human conjectured by the specifically hybridises to regulatory subunit 4, p150. The computation of oligonucleotides computates at least one modified internucleoside linkage. It also comprises at least one modified sugar moiety, preferably a 2'-O-methoxyethyl sugar moiety. The antisense oligonucleotide further comprises at least one modified can be used in diagnostics and as research reagents and kits. It can also be used prophylactically, e.g. to prevent or delay infection, or tumour formation. It can also be used to treat a disease or condition associated with phosphoinositide-1-kinase, regulatory cr condition associated with phosphoinositide-1-kinase, regulatory cr condition associated with phosphoinositide-1-kinase, regulatory chediak-Higashi syndrome or a metabolic disorder. The products of the
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be used prophylactically, e.g. to prevent or delay infection, inflammation or tumour formation. It can also be used to treat a disease or condition associated with phosphoinositide-3-finase, regulatory subunit 4, p150, e.g. hyperproliferative disorder, preferably cancer, chediak-Higashi syndrome or a metabolic disorder. The products of the invention are immunomodulators with cytostatic activity and can be used
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100.0%; Pred. No. ...
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                                                                                                                                                                                                                                                                                                 4309 AGTCCTGCAGATGGAAATCC 4328
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                                                                                                                                                                                                                       Query Match
Best Local Similarity
                                                                                                                                       for gene therapy.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US2004063657-A1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADL34647;
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                                                                                                                                                                                                                                                                Matches
                                                                                                                                                                                                                                                                                                                                                                                                              RESULT
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modified base
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Synthetic
                                                                                                                                                                                                                                                                                                           ADL34583;
                                                                                                  Query Match
                                                                                                                  Best Loca
Matches
                                                                                                                                                                                                                                            RESULT 214
                                                                                                                                                                                                                                                             ADL34583,
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                                                                                                                                                                                                                                                                                                                                                                                   antisense; inhibitor; hybridisation; human; phosphoinositide-3-kinase; regulatory subunit 4; p150; internucleoside linkage; phosphorothioate linkage; 2'-O-methoxystehyl sugar; 5-methylcytosine; infection; inflammation; thomour formation; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; metabolic disorder; immunomodulator;
 are immunomodulators with cytostatic activity and can be used
                                                                                                               Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          New antisense compound targeted to a nucleic acid molecule encoding phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for treating cancer, Chediak-Higashi syndrome or a metabolic disorder.
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                                                                            0.4%; Score 20; DB 1; Length 20;
100.0%; Pred. No. 1.4e+02;
ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                /note= "phosphorothioate backbone"
                                                Sequence 20 BP; 9 A; 6 C; 2 G; 3 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                      ISIS antisense oligonucleotide ISIS 206969.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                    cytostatic; gene therapy; ss; primer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Location/Qualifiers
                                                                                                                                             534 AACCTTACTAAAGACCACAG 553
                                                                                                                                                                 1 AACCTTACTAAAGACCACAG 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 base= OTHER
                                                                                                                                                                                                                                                             BP
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                                                                                                                                                                                                                                                         ADL34577 standard; DNA; 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1. .20
/*tag= a
                                                                                                                                                                                                                                                                                                                       (first entry)
                                                                                                               20; Conservative
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                                                                                              Similarity
                  for gene therapy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US2004063657-A1
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modified_base
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invention
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                                                                               Query Match
                                                                                                  Local
                                                                                                            Matches
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Chediak-Higashi syndrome or a metabolic disorder. The products of the invention are immunomodulators with cytostatic activity and can be used
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            antisense; inhibitor; hybridisation; human; phosphoinositide-3-kinase; regulatory subunit 4; p150; internucleoside linkage; phosphorothioare linkage; 2'-O-methoxyethyl sugar; 5-methylcytosine; infection; inflammation; tumour formation; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; metabolic disorder; immunomodulator; cytostatic; gene therapy; ss; primer.
                                                                                                                                                     Сарв
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                                                                                                                                                       ö
                                                                                                                 Length 20;
                                                                                                                                                   0; Indels
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                                                                           Sequence 20 BP; 4 A; 7 C; 3 G; 6 T; 0 U; 0 Other;
                                                                                                                                 1.46+02;
                                                                                                                 DB 1;
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                                                                                                           0.4%; Score 20; DB
100.0%; Pred. No. 1.4
:ive 0; Mismatches
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                                                                                                                                                                                         875 GGCAGTATGTGCGAGACAAT 894
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 base= OTHER
                                                                                                                                                                                                                           20 GGCAGTATGTGCGAGACAAT 1
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                                                                                                                                                                                                                                                                                                                            ADL34583 standard; DNA; 20
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                                                                                                                                                       Conservative
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/*tag=
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                                                                                                                                 Local Similarity
nes 20; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (DOBI/) DOBIE K W.
                                     for gene therapy.
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01-APR-2004.
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                                                                                                                                                                             Query Match
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                                                                                                                                                                                                                                                                                                                셤
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                                                                                                                                                                                                       ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        antisense; inhibitor; hybridisation; human; phosphoinositide-3-kinase; regulatory subunit 4; p150; internucleoside linkage; phosphorothioate linkage; 2'-0-methoxysterbyl sugar; 5-methylcytosine; infection; inflammation; tumour formation; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; metabolic disorder; immunomodulator; cytostatic; gene therapy; ss; primer.
subunit 4, p150, e.g. hyperproliferative disorder, preferably cancer, Chediak-Higashi syndrome or a metabolic disorder. The products of the invention are immunomodulators with cytostatic activity and can be used
                                                                                                                                                                                                          Gaps
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                                                                                                                                                            Score 20; DB 1; Length 20;
Pred. No. 1.4e+02;
                                                                                                                                                                                                       0; Indels
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/note= "phosphorothioate backbone"
                                                                                                               Sequence 20 BP; 9 A; 1 C; 4 G; 6 T; 0 U; 0 Other;
                                                                                                                                                 0.4%; Scor.
100.0%; Pred. No. ...
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                                                                                                                                                                                                                                                       1115 TCAATTATTTCTTTGACACA 1134
                                                                                                                                                                                                                                                                                 20 TCAATTATTCTTTGACACA
                                                                                                                                                                                                                                                                                                                                                                                                                 ADL34592 standard; DNA; 20 BP
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*tag=
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                                                                                                                                                                    Query Match
Best Local Similarity
                                                                         for gene therapy.
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modified_base
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XXX
ADL34592/c
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             antisense; inhibitor; hybridisation; human; phosphoinositide-3-kinase; regulatory subunit 4; p150; internucleoside linkage; phosphorothioare linkage; 2'-0-methoxyethyl sugar; 5-methylcytosine; infection; inflammation; thomour formation; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; metabolic disorder; immunomodulator;
or condition associated with phosphoinositide-3-kinase, regulatory subunit 4, p150, e.g. hyperproliferative disorder, preferably cancer, Chediak-Higashi syndrome or a metabolic disorder. The products of the invention are immunomodulators with cytostatic activity and can be used
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1.4e+02;
                                                                                                                                                                                                        Sequence 20 BP; 7 A; 1 C; 8 G; 4 T; 0 U; 0 Other;
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100.0%; Pred. No. 1.4
ive 0; Mismatches
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/*tag= a
/mod_base= OTHER
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                                                                                                                                                                                                                                                                                                                 Best_Local Similarity
Matches 20; Conserv
                                                                                                                                                      for gene therapy.
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inflammation or tumour formation. It can also be used to treat a disease or condition associated with phosphoinositide-3-kinase, regulatory subunit 4, p150, e.g. hyperproliferative disorder, preferably cancer, Chediak-Higashi syndrome or a metabolic disorder. The products of the invention are immunomodulators with cytostatic activity and can be used for gene therapy.
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                                                                                                                                                                                                                                                                                                                                                                       Gapa
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phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for
treating cancer, Chediak-Higashi syndrome or a metabolic disorder.
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Pred. No. 1.4e+02;
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                                                                                                                                                                                                                                   Sequence 20 BP; 7 A; 2 C; 6 G; 5 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                           0.4%; Scc...
100.0%; Pred. No. 1....
'... 0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              cytostatic; gene therapy; 88; primer.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADL34600 standard; DNA; 20
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                                                                                                                                                                                                                                                                                                                              Local Similarity 100.
1es 20; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            RESULT 217
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be used prophylactically, e.g. to prevent or delay infection, inflammation or tumour formation. It can also be used to treat a disease or condition associated with phosphoinositide-3 kinase, regulatory subunit 4, p150, e.g. hyperproliferative disorder, preferably cancer, Chediak-Higashi syndrome or a metabolic disorder. The products of the invention are immunomodulators with cytostatic activity and can be used
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             antisense; inhibitor; hybridisation; human; phosphoinositide-3-kinase; regulatory subunit 4; p150; internucleoside linkage; phosphorochioare linkage; 2'-O-methoxyethyl sugar; 5-methylcytosine; infection; inflammation; tumour formation; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; metabolic disorder; immunomodulator; cytostatic; gene therapy; ss; primer.
                                                                                                                                                                                                       Gape
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phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for
treating cancer, Chediak-Higashi syndrome or a metabolic disorder.
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                                                                                                                                                                        Length 20;
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                                                                                                                                    Sequence 20 BP; 4 A; 3 C; 4 G; 9 T; 0 U; 0 Other;
                                                                                                                                                                  0.4%; Score 20; DB 1; Le
100.0%; Pred. No. 1.4e+02;
tive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                               ISIS antisense oligonucleotide ISIS 207009.
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1. .20
/*tag= a
/mod_base= OTHER
                                                                                                                                                                                                                                       2131 CCAAATGGAAATTATGACAC 2150
                                                                                                                                                                                                                                                           CCAAATGGAAATTATGACAC 1
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                                                                                                                                                                                                                                                                                                                                                            ADL34617 standard; DNA; 20
                                                                                                                                                        Query Match
Best Local Similarity 100.0
....hes 20; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                               (first entry)
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                                                                                                    for gene therapy
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modified_base
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for gene therapy.
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modified_base
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                                                                                                                                                                                                                                                                                                     20
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can be used in diagnostics and as research reagents and kits. It can also be used prophylactically, e.g. to prevent or delay infection, inflammation or tumour formation. It can also be used to creat a disease or condition associated with phosphoinositide-3-kinase, regulatory subunit 4, pl50, e.g. hyperproliferative disorder, preferably cancer, Chediak-Higashi syndrome or a metabolic disorder. The products of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        antisense; inhibitor; hybridisation; human; phosphoinositide-3-kinase; regulatory subunit 4; p150; internucleoside linkage; linkage; phosphorokhioare linkage; 2'-O-methoxyethyl sugar; 5-methylcytosine; infection; inflammation; themour formation; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; metabolic disorder; immunomodulator;
                                                                                                   invention are immunomodulators with cytostatic activity and can be used
                                                                                                                                                                                                                        Gaps
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                                                                                                                                                                                     Score 20; DB 1; Length 20;
Pred. No. 1.4e+02;
                                                                                                                                                                                                                        0; Indels
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                                                                                                                                                      Sequence 20 BP; 4 A; 6 C; 1 G; 9 T; 0 U; 0 Other;
                                                                                                                                                                            0.4%; Sco...
100.0%; Pred. No. ...
0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                cytostatic; gene therapy; ss; primer
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                                                                                                                                                                                                                                                         3455 AGATGATGGAAAATGCTGAA 3474
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/*tag= a
/mod base= OTHER
                                                                                                                                                                                                                                                                            ADL34620 standard; DNA; 20 BP
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                                                                                                                                                                                                                                                                                                                                                                                                                                               (first entry)
                                                                                                                                                                                                                        Conservative
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                                                                                                                                                                                          Query Match
Best Local Similarity
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                                                                                                                          for gene therapy.
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                                                                                                                                                                                                                            20;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Synthetic
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                                                                                                                                                                                                                            Matches
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nucleobase, preferably a 5-methylcytosine. The antisense oligonucleotide can be used in diagnostics and as research reagents and kits. It can also be used prophylactically, e.g. to prevent or delay infection, inflammation or tumour formation. It can also be used to treat a disease or condition associated with phosphoinositide-3-kinase, regulatory subunit 4, pl50, e.g. hyperproliferative disorder, preferably cancer, chediak-Higashi syndrome or a metabolic disorder. The products of the invention are immunomodulators with cytostatic activity and can be used
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                      Score 20; DB 1; Length 20;
Pred. No. 1.4e+02;
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                                                                                                                                                                                                                                                                                                                                                         Sequence 20 BP; 6 A; 5 C; 3 G; 6 T; 0 U; 0 Other;
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100.0%; Pred. No. 1...
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*tag= a
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                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match 0.4
Best Local Similarity 100.
Matches 20; Conservative
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antisense oligonucleotide further comprises at least one modified nucleobase, preferably a 5-methylcytosine. The antisense oligonucleotide can be used in diagnostics and as research reagents and kits. It can also be used prophylactically, e.g. to prevent or delay infection, inflammation or tumour formation. It can also be used to treat a disease or condition associated with phosphoinositide-3-kinase, regulatory subunit 4, p150, e.g. hyperprolificative disorder, preferably cancer, chediak-Higashi syndrome or a metabolic disorder. The products of the invention are immunomodulators with cytostatic activity and can be used
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 antisense; inhibitor; hybridisation; human; phosphoinositide-3-kinase; regulatory subunit 4; pls0; internucleoside linkage; phosphorothioarte linkage; 2'-O-methoxyethyl sugar; 5-methylcytosine; infection; inflammation; tumour formation; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; metabolic disorder; immunomodulator;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gape
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                                                                                                                                                                                                                                                                                                                                                                                                                                         0.4%; Score 20; DB 1; Length 20; 100.0%; Pred. No. 1.4e+02; ive 0; Mismatches 0; Indels
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/note= "phosphorothioate backbone"
                                                                                                                                                                                                                                                                                                                                                                          Sequence 20 BP; 4 A; 5 C; 6 G; 5 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ISIS antisense oligonucleotide ISIS 207029.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Example 15; SEQ ID NO 75; 60pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          3781 GAGGCTTCTAAGCTGCCCAA 3800
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GAGGCTTCTAAGCTGCCCAA 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADL34629 standard; DNA; 20 BP
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (first entry)
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/*tag= a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Local Similarity 100.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WPI; 2004-282523/26.
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                                                                                                                                                                                                                                                                                                        gene therapy.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US2004063657-A1
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modified_base
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NDL34629,

NDL34629,

XX

ADL3,

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ADL3,

XX

ADL3,

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ADL3,

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ADL3,

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ADL3,

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modified sugar molety, preferably a 2'-O-methoxyethyl sugar molety. The antisense oligonucleotide further comprises at least one modified nucleobase, preferably a 5-methylcytosine. The antisense oligonucleotide can be used in diagnostics and as research reagents and kits. It can also be used prophylatically, e.g. to prevent or delay infection, inflammation or tumour formation. It can also be used to treat a disease or condition associated with phosphoinositide-3-kinase, regulatory subbunit 4, p150, e.g. hyperproliferative disorder, preferably cancer, Chediak-Higashi syndrome or a metabolic disorder. The products of the invention are immunomodulators with cytostatic activity and can be used
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             This invention describes a novel antisense oligonucleotides which specifically hybridises to and inhibits the expression of human phosphoinositide-3-kinase, regulatory subunit 4, pl50. The oligonucleotides comprises at least one modified internucleoside linkage, preferably a phosphorothioate linkage. It also comprises at least one modified sugar moiety, preferably a 2'-O-methoxyethyl sugar moiety. The antisense oligonucleotide further comprises at least one modified and a 5-methylcytosine. The antisense oligonucleotide can be used in diagnostics and as research reagents and kits. It can also be used prophylactically, e.g. to prevent or delay infection,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     antisense; inhibitor; hybridisation; human; phosphoinositide-3-kinase; regulatory subunit 4; p150; internucleoside linkage; phosphorothioate linkage; 2'-0-methoxytethyl sugar; 5-methylcytosine; infection; inflammation; tumour formation; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; metabolic disorder; immunomodulator;
                                                                                                                                                                                                                                                                                                                            Gape
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Phosphoinositide-3-kinase regulatory subunit 4 p150 fragment 124622.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          New antisense compound targeted to a nucleic acid molecule encoding phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for treating cancer, Chediak-Higashi syndrome or a metabolic disorder.
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                                                                                                                                                                                                                                                                                  Length 20;
                                                                                                                                                                                                                                                                                                                          0; Indels
                                                                                                                                                                                                                                            Sequence 20 BP; 6 A; 7 C; 4 G; 3 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                0.4%; Score 20; DB 1; Le
100.0%; Pred. No. 1.4e+02;
tive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Example 15; SEQ ID NO 109; 60pp; English.
                                                                                                                                                                                                                                                                                                                                                                    4166 TGATTGCAGCTGTTCAGGGC 4185
                                                                                                                                                                                                                                                                                                                                                                                           BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        18-SEP-2003; 2003US-00667022.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           cytostatic; gene therapy; ds
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              31-MAY-2002; 2002US-00160786
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADL34663 standard; DNA; 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           17-JUN-2004 (first entry)
                                                                                                                                                                                                                                                                                                                            Conservative
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                                                                                                                                                                                                                                                                                                   Local Similarity
nes 20; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (FREI/) FREIER S M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (DOBI/) DOBIE K W.
                                                                                                                                                                                                      for gene therapy
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADL34663;
                                                                                                                                                                                                                                                                                    Query Match
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Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RESULT 222
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This invention describes a novel antisense oligonucleotides which specifically hybridises to and inhibits the expression of human phosphoinositide-3-finase, regulatory subunit 4, pi50. The phosphoinositide-3-finase at least one modified internucleoside linkage, preferably a phosphorothioate linkage. It also comprises at least one modified sugar molety, preferably a 2'-O-methoxyethyl sugar molety. The antisense oligonucleotide further comprises at least one modified nucleobase, preferably a 5-methylcytosine. The antisense oligonucleotide further comprises at least one modified nucleobase, preferably a 5-methylcytosine. The antisense oligonucleotide in diagnostics and as research reagents and kits. It can also be used prophylactically, e.g. to prevent or delay infection, inflammation or tumour formation. It can also be used to treat a disease or condition associated with phosphoinositide-3-kinase, regulatory subunit 4, p150, e.g. hyperproliferative disorder, preferably cancer, chediak-Higashi syndrome or a metabolic disorder. The products of the invention are immunomodulators with cytostatic activity and can be used
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  can also be used to treat a disease
                    or condition associated with phosphoinositide-3-kinase, regulatory subunit 4, p150, e.g. hyperproliferative disorder, preferably cancer, Chediak-Higashi syndrome or a metabolic disorder. The products of the invention are immunomodulators with cytostatic activity and can be used
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               antisense; inhibitor; hybridisation; human; phosphoinositide-3-kinase; regulatory subunit 4; p150; internucleoside linkage; phosphorothioate linkage; 2'-0-methoxyethyl sugar; 5-methylcytosine; infection; inflammation; tumour formation; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; metabolic disorder; immunomodulator; cytostatic; gene therapy; ds.
                                                                                                                                                                                                                                                  Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Phosphoinositide-3-kinase regulatory subunit 4 p150 fragment 124626.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          New antisense compound targeted to a nucleic acid molecule encoding phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for treating cancer, Chediak-Higashi syndrome or a metabolic disorder.
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                                                                                                                                                                                             DB 1; Length 20;
1.4e+02;
thes 0; Indels
                                                                                                                                                    Sequence 20 BP; 9 A; 4 C; 6 G; 1 T; 0 U; 0 Other;
                                                                                                                                                                                                                                           0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Example 15; SEQ ID NO 112; 60pp; English.
                                                                                                                                                                                             Query Match 0.4%; Score 20;
Best Local Similarity 100.0%; Pred. No.
Matches 20; Conservative 0; Mismatch
inflammation or tumour formation. It
                                                                                                                                                                                                                                                                                    1658 AAAAAGCCGAAGGAGACCT 1677
                                                                                                                                                                                                                                                                                                                               1 AAAAGCCGAAGGAGGCCT 20
                                                                                                                                                                                                                                                                                                                                                                                                                                      ADL34666 standard; DNA; 20 BP
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                                                                                                           for gene therapy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US2004063657-A1.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADL34666;
                                                                                                                                                                                                                                                                                                                                                                                             RESULT 223
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This invention describes a novel antisense oligonucleotides which specifically hybridises to and inhibits the expression of human phosphoinositide-3-kinase, regulatory subunit 4, p150. The oligonucleotides comprises at least one modified internucleoside linkage, preferably a phosphorothioate linkage. It also comprises at least one modified sugar molety, preferably a 2'-0-methoxyethyl sugar moiety. The antisense oligonucleotide further comprises at least one modified nucleobase, preferably a 5-methylcytosine. The antisense oligonucleotide further comprises at least one modified can be used in diagnostics and as research reagents and kits. It can also be used prophylactically, e.g. to prevent or delay infection, inflammation or tumour formation. It can also be used to treat a disease or condition associated with phosphoinositide-3-kinase, regulatory cubunit 4, p150, e.g. hyperproliferative disorder, preferably canner, chediak-Higashi syndrome or a metabolic disorder. The products of the invention are immunomodulators with cytostatic activity and can be used
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                                                                                                                                                                                                                                                                                                                                                                                                                                           antisense; inhibitor; hybridisation; human; phosphoinositide-3-kinase; regulatory subunit 4; p150; internucleoside linkage; phosphorothioate linkage; 2'-O-methoxyethyl sugar; 5-methylcytosine; infection; inflammation; tumour formation; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; metabolic disorder; immunomodulator; cytostatic; gene therapy; ds.
                                                                                                                    Gaps
                                                                                                                                                                                                                                                                                                                                                                                                          Phosphoinositide-3-kinase regulatory subunit 4 p150 fragment 124635.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       New antisense compound targeted to a nucleic acid molecule encoding phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for treating cancer, Chediak-Higashi syndrome or a metabolic disorder.
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                                                                             Length 20;
                                                                                                                  0; Indels
                                                                           DB 1; Le
                                      Sequence 20 BP; 5 A; 5 C; 5 G; 5 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 20 BP; 3 A; 9 C; 5 G; 3 T; 0 U; 0 Other;
                                                                         0.4%; Score 20; DB 100.0%; Pred. No. 1.4 ative 0; Mismatches
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                                                                                                                                                       2041 ACAGCTCTGAGATTCCTGGA 2060
                                                                                                                                                                                            1 ACAGCTCTGAGATTCCTGGA 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                31-MAY-2002; 2002US-00160786.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         18-SEP-2003; 2003US-00667022.
                                                                                                                                                                                                                                                                                          ADL34675 standard; DNA; 20
                                                                                                                                                                                                                                                                                                                                                                     17-JUN-2004 (first entry)
                                                                                                                  Conservative
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                                                                                            Local Similarity
les 20; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (DOBI/) DOBIE K W.
for gene therapy.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          for gene therapy.
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                                                                                                                                                                                                                                                                                                                                 ADL34675;
                                                                           Query Match
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                                                                                                                Matches
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DB 1; Length 20;

Score 20;

0.48;

Query Match

1 AAAACCAGTAATACCGGTTT 20

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This invention describes a novel antisense oligonucleotides which specifically hybridies to and inhibits the expression of human phosphoinositale-3-Kinase, regulatory subunit 4, p150. The oligonucleotides comprises at least one modified internucleoside linkage, preferably a phosphorothioate linkage. It also comprises at least one modified antisense oligonucleotide further comprises at least one modified nucleobase, preferably a 5-methylcytosine. The antisense oligonucleotide further comprises at least one modified nucleobase, preferably a 5-methylcytosine. The antisense oligonucleotide further comprises at least one modified nucleobase, preferably e.g. to prevent or delay infection, inflammation or tumour formation. It can also be used prophylactically, e.g. to prevent or delay infection, inflammation or tumour formation. It can also be used to treat a disease or condition associated with phosphoinositide-3-kinase, regulatory cancer, chediak-Higashi syndrome or a metabolic disorder. The products of the finemation are immunomodulators with cytostatic activity and can be used
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                  antisense; inhibitor; hybridisation; human; phosphoinositide-3-kinase; regulatory subunit 4; p150; internucleoside linkage; phosphorothiorel linkage; 2'-0-methoxyethyl sugar; 5-methylcytosine; infection; inflammation; tumour formation; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; metabolic disorder; immunomodulator; cytostatic; gene therapy; ds.
                                Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                     Phosphoinositide-3-kinase regulatory subunit 4 p150 fragment 124641.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 New antisense compound targeted to a nucleic acid molecule encoding phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for treating cancer, Chediak-Higashi syndrome or a metabolic disorder.
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                                Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 20 BP; 8 A; 4 C; 3 G; 5 T; 0 U; 0 Other;
100.0%; Pred. No. 1.4e+02; ive 0; Mismatches 0;
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                                                                             2843 GCCCTCCCCAGAGGATCCT 2862
                                                                                                                                20
                                                                                                                                1 GCCTCCGCCAGAGGATCCT
                                                                                                                                                                                                                                                               ADL34681 standard; DNA; 20 BP
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                                                                                                                                                                                                                                                                                                                                                                     (first entry)
                             Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Freier SM, Dobie KW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WPI; 2004-282523/26.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (FREI/) FREIER S M. (DOBI/) DOBIE K W.
     Best Local Similarity
Matches 20; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     for gene therapy
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                                                                                                                                                                                                                                                                                                                  ADL34681;
                                                                                                                                                                                                              RESULT 225
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This invention describes a novel antisense oligonucleotides which specifically hybridises to and inhibits the expression of human phosphoinositide.3-kinase, regulatory subunit 4, p150. The coligonucleotides comprises at least one modified internucleoside linkage, preferably a phosphorothioate linkage. It also comprises at least one modified augar modety, preferably a 2'-O-methoxyethyl sugar modety. The antisense oligonucleotide further comprises at least one modified nucleobase, preferably a 5-methylcytosine. The antisense oligonucleotide can be used in diagnostics and as research reagents and kits. It can also be used prophylactically, e.g. to prevent or delay infection, inflammation or tumour formation. It can also be used to treat a disease correction associated with phosphoinositide-3-kinase, regulatory subunit 4, p150, e.g. hyperprofiferative disorder, preferably cancer, chediak-Higashi syndrome or a metabolic disorder. The products of the invention are immunomodulators with cytostatic activity and can be used
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                                                                                                                                                                                                                                                                                        antisense; inhibitor; hybridisation; human; phosphoinositide-1-kinase; regulatory subunit 4; p150; internucleoside linkage; phosphorothioate linkage; 2'-O-methoxyethyl sugar; 5-methylcytosine; infection; inflammation; tumour formation; hyperproliferative disorder; cancer; Chedlak-Higashi syndicome; metabolic disorder; immunomodulator; cytostatic; gene therapy; ds.
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ADL34686 standard; DNA; 20
                                                                                                                                                     17-JUN-2004 (first entry)
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                                                                          ADL34686;
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This invention describes a novel antisense oligonucleotides which specifically hybridises to and inhibits the expression of human specifically hybridises to and inhibits the expression of human compositions of the sequence of the sequence of compositions of the sequence of the sequence
                                                    antisense; inhibitor; hybridisation; human; phosphoinositide-3-kinase; regulatory subunit 4; p150; internucleoside linkage; phosphorothioate linkage; 2'-O-methoxytelhy! sugar; 5-methylcytosine; infection; inflammation; tumour formation; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; metabolic disorder; immunomodulator; cytostatic; gene therapy; ss; primer.
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/note= "phosphorothioate backbone"
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100.0%; Pred. No. 1.4e+02;
cive 0; Mismatches 0;
         ISIS antisense oligonucleotide ISIS 206978.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 This invention describes a novel antisense oligomucleotides which specifically hybridises to and inhibits the expression of human specifically hybridises to and inhibits the expression of human phosphoinositide-3-kinase, regulatory subunit 4, p150. The collgonucleotides comprises at least one modified internucleoside linkage. It also comprises at least one modified sugar moiety, preferably a 2'-O-methoxyethyl sugar moiety. The antisense oligonucleotide further comprises at least one modified undisobase, preferably a 5-methylcytosine. The antisense oligonucleotide con bused in diagnostics and as research reagents and kits. It can also be used prophylactically, e.g. to prevent or delay infection, con be used prophylactically, e.g. to prevent or delay infection, condition associated with phosphoinositide-3-kinase, regulatory condition are immunomodulators with cytostatic activity and can be used invented as metabolic disorder. The products of the
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                                                                                                                                                                           Phosphoinositide-3-kinase regulatory subunit 4 p150 fragment 124661.
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100.0%; Pred. No. 1.4e+0;
tive 0; Mismatches (
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            ADL34694 standard; DNA; 20 BP
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Best Local Similarity 100.
Matches 20; Conservative
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Length 20; 0; Indels

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This invention describes a novel antisense oligonucleotides which specifically hybridises to and inhibits the expression of human phosphoinositide3-*timase, regulatory subunit 4, p150. The phosphoinositide at least one modified internucleoside linkage, oligonucleotides comprises at least to modified internucleoside linkage, preferably a phosphorothioate linkage. It also comprises at least one modified mutiense oligonucleotide further comprises at least one modified and modety, preferably a 5-methylcytosine. The antisense oligonucleotide can be used in diagnostics and as research reagents and kits. It can also be used prophylactically, e.g. to prevent or delay infection, inflammation or tumour formation. It can also be used to treat a disease condition associated with phosphoinositide-3-kinase, regulatory subunit 4, p150, e.g. hyperproliferative disorder, preferably cancer, chediak-Higashi syndrome or a metabolic disorder. The products of the invention are immunomodulators with cytostatic activity and can be used
                                                                                                                             antisense; inhibitor; hybridisation; human; phosphoinositide-3-kinase; regulatory subunit 4; p150; internucleoside linkage; phosphorothioare linkage; 2'-O-methoxyethyl sugar; 5-methylcytosine; infeation; inflammation; tumour formation; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; metabolic disorder; immunomodulator; cytostatic; gene therapy; ss; primer.
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100.0%; Pred. No. 1.4e+02;
rative 0; Mismatches 0; Indels
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/note= "phosphorothioate backbone"
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                                                                               ISIS antisense oligonucleotide ISIS 206993.
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/*tag= a
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nes 20; Conservative
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                                                                                                                                                                                                                                                                                                                     Synthetic.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        This invention describes a novel antisense oligonucleotides which phosphoinositide-14 kinase, regulatory subunit 4, p150. The phosphoinositide-14 kinase, regulatory subunit 4, p150. The oligonucleotides comprises at least one modified internucleoside linkage, preferably a phosphorothioate linkage. It also comprises at least one modified sugar moiety. Preferably a 2'-O-methoxyethyl sugar moiety. The antisense oligonucleotide further comprises at least one modified nucleobase, preferably a 5-methylcytosine. The antisense oligonucleotide further comprises at least one modified nucleobase, preferably, a 5-methylcytosine. The antisense oligonucleotide on be used in diagnostics and as research reagents and kits. It can also be used to tumour formation. It can also be used to treat a disease inflammation or tumour formation. It can also be used to treat a disease or condition associated with phosphoinositide-14kinase, regulatory subunit 4, p150, e.g. hyperproliferative disorder, preferably cancer, Chediak-Higashi syndrome or a metabolic disorder. The products of the
                                                                                                  antisense; inhibitor; hybridisation; human; phosphoinositide-3-kinase; regulatory subunit 4; p150; internucleoside linkage; phosphorothioare linkage; 2'-O-methoxyethyl sugar; 5-methylcytosine; infection; inflammation; tumour formation; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; metabolic disorder; immunomodulator; cytostatic; gene therapy; ss; primer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       invention are immunomodulators with cytostatic activity and can be used
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                                                    ISIS antisense oligonucleotide ISIS 206981.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Example 15; SEQ ID NO 35; 60pp; English.
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/mod_base= OTHER
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(first entry)
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modified_base
17-JUN-2004
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Gaps

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RESULT 230 ADL34601/c ID ADL346 XX AC ADL346

Matches

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ADL34636;

ADL34624;

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ISIS antisense oligonucleotide ISIS 207036.
                                                        17-JUN-2004 (first entry)
This invention describes a novel antisense oligonucleotides which specifically hybridises to and inhibits the expression of human phosphoinositide 3. Figuratory subunit 4, p150. The phosphoinositide 3. Finase, regulatory subunit 4, p150. The oligonucleotides comprises at least one modified internucleoside linkage, preferably a phosphorothioate linkage. It also comprises at least one modified sugar moiety, preferably a 2-0-methoxyethyl sugar moiety. The antisense oligonucleotide further comprises at least one moiety. The nucleobase, preferably a S-methylcytosine. The antisense oligonucleotide can be used in diagnostics and as research reagents and kits. It can also be used prophylactically, e.g. to prevent or delay infection, inflammation or tumour formation. It can also be used to treat a disease or condition associated with phosphoinositide-3-kinase, regulatory can condition associated with phosphoinositide-3-kinase, regulatory can subunit 4, p150, e.g. hyperproliferative disorder, preferably cancer, chediak-Higashi syndrome or a metabolic disorder. The products of the invention are immunomodulators with cytostatic activity and can be used
                                                                                                                  antisense; inhibitor; hybridisation; human; phosphoinositide-3-kinase; regulatory subunit 4; p150; internucleoside linkage; phosphorochioace linkage; 2'-O-methoxyethyl sugar; 5-methylcytosine; infection; inflammation; thomour formation; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; metabolic disorder; immunomodulator;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     New antisense compound targeted to a nucleic acid molecule encoding phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for treating cancer, Chediak-Higashi syndrome or a metabolic disorder.
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1.4e+02;
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100.0%; Pred. No. 1.4
:ive 0; Mismatches
                                                                                   ISIS antisense oligonucleotide ISIS 207024.
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                                                                                                                                                                                                                            cytostatic; gene therapy; ss; primer.
                                                                                                                                                                                                                                                                                                        Location/Qualifiers
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*tag= a
                                                 (first entry)
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                                                 17-JUN-2004
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This invention describes a novel antisense oligonucleotides which specifically hybridises to and inhibits the expression of human phosphoinostide 3-kinase, regulatory subunit 4, p150. The phosphoinostide 3-kinase, regulatory subunit 4, p150. The phosphoinostides comprises at least one modified internucleoside linkage, or preferably a phosphorothioate linkage. It also comprises at least one modified sugar moiety, preferably a 2'-O-methoxychtyl sugar moiety. The modified sugar moiety, preferably a 2'-O-methoxychtyl sugar moiety. The cutisense oligonucleotide further comprises at least one modified nucleobase, preferably a sensetylers and as research reagents and kits. It can also be used prophylactically, e.g. to prevent or delay infection, confition associated with phosphoinostide-3-kinase, regulatory subunit 4, p150, e.g. hyperproliferative disorder, preferably cancer, chediak-Higashi syndrome or a metabolic disorder. The products of the invention are immunomodulators with cytostatic activity and can be used
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antisense; inhibitor; hybridisation; human; phosphoinositide-3-kinase; regulatory subunit 4; pl50; internucleoside linkage; phosphorothioate linkage; 2'-O-methoxyethyl sugar; 5-methylcytosine; infection; inflammation; tumour formation; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; metabolic disorder; immunomodulator;
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/note= "phosphorothioate backbone"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Example 15; SEQ ID NO 82; 60pp; English.
                                                                                                                                                                                                 cytostatic; gene therapy; ss; primer
                                                                                                                                                                                                                                                                                                                                      Location/Qualifiers
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modified_base
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TTCTTGCCTATGCCACTGTG 3918

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Local Similarity 100.

Matches

Query Match

ADL34636 standard; DNA; 20 BP.

RESULT 232 ADL34636/c ID ADL34

RESULT 233 ADL34689

ADL34689

01-APR-2004.

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This invention describes a novel antisense oligonucleotides which specifically hybridises to and inhibits the expression of human phosphonositide-3-kinase, regulatory subunit 4, pi50. The oligonucleotides comprises at least one modified internucleoside linkage, preferably a phosphorothicate linkage. It also comprises at least one modified augar moiety, preferably a 2'-O-methoxyethyl sugar moiety. The antisense oligonucleotide further comprises at least one modified nucleobase, preferably a 5-methylcytosine. The antisense oligonucleotide further comprises at least one modified nucleobase, preferably a 5-methylcytosine. The antisense oligonucleotide be used in diagnostics and as research reagents and kits. It can also be used in tumour formation. It can also be used to treat a disease or condition associated with phosphoinostide-3-kinase, regulatory subunit 4, pi50, e.g. hyperproliferative disorder, preferably cancer, Chediak-Higashi syndrome or a metabolic disorder. The products of the
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                                                                           antisense; inhibitor; hybridisation; human; phosphoinositide-3-kinase; regulatory subunit 4; p150; internucleoside linkage; pnosphorothicate linkage; 2'-O-methoxyethyl sugar; 5-methylcytosine; infection; inflammation; tumour formation; hyperproliferative disorder. cancer; Chediak-Higashi syndrome; metabolic disorder; immunomodulator;
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                             Phosphoinositide-3-kinase regulatory subunit 4 p150 fragment 124657.
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treating cancer, Chediak-Higashi syndrome or a metabolic disorder.
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                                                                                                                                                                                                                             cytostatic; gene therapy; ds.
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                                                                                                                                                                                                                                                                                     Homo sapiens.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  This invention describes a novel antisense oligonucleotides which specifically hybridises to and inhibits the expression of human phosphoinositide-3-kinase, regulatory subunit 4, p150. The oligonucleotides comprises at least one modified internucleoside linkage, preferably a phosphorothioate linkage. It also comprises at least one modified sugar molety, preferably a 2-0-methoxyethyl sugar molety. The antisense oligonucleotide further comprises at least one modified nucleobase, preferably a 5-methylcytosine. The antisense oligonucleotide further comprises at least one modified nucleobase, preferably a 5-methylcytosine. The antisense oligonucleotide further comprises at least one modified nucleobase, preferably a 5-methylcytosine. The antisense oligonucleotide further comprises at least one modified nucleobase, preferably e.g. to prevent or delay infection, inflammation or tumour formation. It can also be used to treat a disease or condition associated with phosphoinositide-3-kinase, regulatory combunit 4, p150, e.g. hyperproliferative disorder, preferably cancer, chediak-Higashi syndrome or a metabolic disorder. The products of the invention are immunomodulators with cytostatic activity and can be used
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                                                                                                                                                                                                                  antisense; inhibitor; hybridisation; human; phosphoinositide-3-kinase; regulatory subunit 4; p150; internucleoside linkage; phosphorothioare linkage; 2'-O-methoxysthyl sugar; 5-methylcytosine; infection; inflammation; tumour formation; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; metabolic disorder; immunomodulator;
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                                                                                                                                                                Phosphoinositide-3-kinase regulatory subunit 4 p150 fragment 124650.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        New antisense compound targeted to a nucleic acid molecule encoding phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for treating cancer, Chediak-Higashi syndrome or a metabolic disorder.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 20 BP; 3 A; 4 C; 5 G; 8 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0.4%; Score 20; DB 1; I
100.0%; Pred. No. 1.4e+02;
iive 0; Mismatches 0;
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BP
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                                                                                                                                                                                                                                                                                                                                                                cytostatic, gene therapy, ds.
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ADL34689 standard; DNA; 20
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                                                                                                           (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Freier SM, Dobie KW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WPI; 2004-282523/26.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (FREI/) FREIER S M. (DOBI/) DOBIE K W.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Similarity
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Gaps

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20;

Matches

Query Match Local ADL34693;

ADL34693 ID ADL3 XX AC ADL3 XX DT 17-J

RESULT 234

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This invention describes a novel antisense oligonucleotides which specifically hybridises to and inhibits the expression of human specifically hybridises to and inhibits the expression of human consistide-3-kinase, regulatory subunit 4, pl26. The oligonucleotides comprises at least one modified internucleoside linkage, is preferably a phosphorothioate linkage. It also comprises at least one modified sugar molety, preferably a 5-methylocycopies. It also comprises at least one modified antisense oligonucleotide further comprises at least one modified nucleobase, preferably a 5-methylocycopie. The antisense oligonucleotide nucleobase, preferably a 5-methylocycopie. The antisense oligonucleotide nucleobase, preferably e.g. to prevent or delay infection, inflammation or tumour formation. It can also be used to treat a disease or condition associated with phosphoinositide-3-kinase, regulatory chediak-Higashi syndrome or a metabolic disorder, preferably cancer, chediak-Higashi syndrome or a metabolic disorder. The products of the invention are immunomodulators with cytostatic activity and can be used
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phosphorothioate linkage; 2'-O-methoxyethyl sugar; 5-methylcytosine; infection; inflammation; tumour formation; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; metabolic disorder; immunomodulator; cytostatic; gene therapy; ss; primer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         antisense; inhibitor; hybridisation; human; phosphoinositide-3-kinase;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       New antisense compound targeted to a nucleic acid molecule encoding phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for treating cancer, Chediak-Higashi syndrome or a metabolic disorder.
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                                                                                                                                                                                                   note= "phosphorothioate backbone"
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                                                                                                                                Location/Qualifiers
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                                                                                                                                                  |. .20
|*tag= a
|mod_base= OTHER
                                                                                                                                                                                                                                                                                                                                                   31-MAY-2002; 2002US-00160786.
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Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                       (FREI/) FREIER S M.
                                                                                                                                                                                                                                                                                                                                                                                                            (DOBI/) DOBIE K W.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  for gene therapy
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                                                                                                                                    Key
modified_base
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Matches
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This invention describes a novel antisense oligonucleotides which specifically hybridises to and inhibits the expression of human phosphoinositide-3-kinase, regulatory subunit 4, p160. The phosphoinositide-3-kinase, regulatory bubuit 4, p160. The coligonucleotides comprises at least one modified internucleoside linkage, coligonucleotides moiety, preferably a 2'-O-methoxyethyl sugar moiety. The modified sugar moiety, preferably a 2'-O-methoxyethyl sugar moiety. The modified sugar moiety, preferably a 2'-O-methoxyethyl sugar moiety. The modified sugar moiety as further comprises at least one modified undechase, preferably a S-methylcytosine. The antisense oligonucleotide can be used in diagnostics and as research reagents and kits. It can also be used prophylactically, e.g. to prevent or delay infection, condition associated with phosphoinositide-3-kinase, regulatory correct subunit 4, p150, e.g. hyperproliferative disorder, preferably cancer, chediak-Higashi syndrome or a metabolic disorder. The products of the invention are immunomodulators with cytostatic activity and can be used
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regulatory subunit 4; p150; internucleoside linkage; phosphorothioate linkage; 2'-0-methoxyethyl sugar; 5-methylcytosine; infection; inflammation; tumour formation; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; metabolic disorder; immunomodulator;
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100.0%; Pred. No. 1.4e+02;
ive 0; Mismatches 0; Indels
                                                                                                                                                                                                             /note= "phosphorothioate backbone"
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                                                                             cytostatic; gene therapy; ss; primer
                                                                                                                                              Location/Qualifiers
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                                                                                                                                                                                                   OTHER
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/*tag= a
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Les 20; Conserv
                                                                                                                                                                                                                                                                                                                                                                                              (FREI/) FREIER S M. (DOBI/) DOBIE K W.
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                                                                                                                                                   Key
modified_base
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                                                                                                                  Synthetic
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This invention describes a novel antisense oligonucleotides which specifically hybridises to and inhibits the expression of human phosphoinositide-3-kinase, regulatory subunit 4, p150. The oligonucleotides comprises at least one modified internucleoside linkage, preferably a phosphorothicate linkage. It also comprises at least one modified sugar molety, preferably a 2'-O-methoxyethyl sugar molety. The antisense oligonucleotide further comprises at least one modified nucleobase, preferably a 5-methylcycosine. The antisense oligonucleotide can be used in diagnostics and as research reagents and kits. It can also be used prophylactically, e.g. to prevent or delay infection, inflammation or tumour formation. It can also be used to treat a disease or condition associated with phosphoinositide-3-kinase, regulatory subunit 4, p150, e.g. hyperproliferative disorder, preferably cancer, chediak-Higgshi syndrome or a metabolic disorder, preferably cancer, chediak-Higgshi syndrome or a metabolic disorder. The products of the
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antisense; inhibitor; hybridisation; human; phosphoinositide-3-kinase; regulatory subunit 4; p150; internucleoside linkage; phosphorothioate linkage; 2'-O-methoxyethyl sugar; 5-methylcytosine; infection; inflammation; tumour formation; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; metabolic disorder; immunomodulator; cytostatic; gene thexapy; ss; primer.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               New antisense compound targeted to a nucleic acid molecule encoding phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for treating cancer, Chediak-Higashi syndrome or a metabolic disorder.
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                                                                                                                                                                                                                                                    /note= "phosphorothioate backbone"
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                                                                                                                                                                         Location/Qualifiers
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                                                                                                                                                                                                                              /mod_base= OTHER
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                                                                                                                                                                                                                                                                                                                                                                                                                                                               (DOBI/) DOBIE K W.
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                                                                                                                                                                         Key
modified_base
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                                                                                                                                     Synthetic
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ADL34606/A
ID ADL3-XX
AC ADL3-XX
XX DT 17-JT
XX DE ISIS
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This invention describes a novel antisense oligonucleotides which specifically hybridises to and inhibits the expression of human oliospide-3-kinase, regulatory subunit 4, pi50. The oliospinositide-3-kinase, regulatory subunit 4, pi50. The oligonucleotides comprises at least one modified internucleoside linkage, preferably a phosphorothioate linkage. It also comprises at least one modified dupar molecy, preferably a 2'-O-methoxyethyl sugar molecy. The antisense oligonucleotide further comprises at least one modified nucleobase, preferably a 5-methylycrosine. The antisense oligonucleotide can be used in diagnostics and as research reagents and kits. It can also be used prophylactically, e.g. to prevent or delay infection, inflammation or tumour formation. It can also be used to treat a disease or condition associated with phosphoinositide-3-kinase, regulatory
              antiëense; inhibitor; hybridisation; human; phosphoinositide-3-kinase; regulatory subunit 4; p150; internucleoside linkage; phosphorothioate linkage; 2'-O-methoxyethyl sugar; 5-methylcytosine; infection; inflammation; tumour formation; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; metabolic disorder; immunomodulator; cytostatic; gene therapy; ss; primer.
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100.0%; Pred. No. 1.4e+02;
Ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                      /note= "phosphorothioate backbone"
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                                                                                                                                                                                         Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Freier SM, Dobie KW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WPI; 2004-282523/26
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (FREI/) FREIER S M.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (DOBI/) DOBIE K W.
                                                                                                                                                                                                                                                                                                            US2004063657-A1
                                                                                                                                                                                           Key
modified_base
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                                                                                                                                                       Synthetic.
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ADL34611/C
ID ADL3461
XX
AC ADL3461
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DT 17-JUN:
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Matches
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This invention describes a novel antisense oligonucleotides which specifically hybridises to and inhibits the expression of human phosphoinostided-3-kinase, regulatory subunit 4, p150. The phosphoinostided state to me modified internucleoside linkage, oligonucleotides comprises at least one modified internucleoside linkage, preferably a phosphorothicate linkage. It also comprises at least one modified sugar moiety, preferably a 2'-O-methoxyethyl sugar moiety. The modified sugar moiety, preferably a 2'-O-methoxyethyl sugar moiety. The nucleobase, preferably a S-methylcytosine. The antisense oligonucleotide con be used in diagnostics and as research reagents and kits. It can also be used prophylactically, e.g. to prevent or delay infection, condition associated with phosphoinositide-3-kinase, regulatory or condition associated with phosphoinositide-3-kinase, regulatory condition, associated with phosphoinositide-3-kinase, regulatory condition, are immunomodulators with cytostatic activity and can be used invention are immunomodulators with cytostatic activity and can be used
                                                  antisense; inhibitor; hybridisation; human; phosphoinositide-3-kinase; regulatory subunit 4; p150; internucleoside linkage; phosphorothioate linkage; 2'-O-methoxyethyl sugar; 5-methylcytosine; infection; inflammation; tumour formation; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; metabolic disorder; immunomodulator; cytostatic; gene therapy; ss; primer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         New antisense compound targeted to a nucleic acid molecule encoding phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for treating cancer, Chediak-Higashi syndrome or a metabolic disorder.
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100.0%; Pred. No. 1.4e+02;
ive 0; Mismatches 0; Indels
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/mod_base= OTHER
/note= "phosphorothioate backbone"
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          antisense oligonucleotide ISIS 207022.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Example 15; SEQ ID NO 68; 60pp; English.
                                                                                                                                                                                                                                                                                    Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 3762 TGTCCAGCTTCTTGGAATTG 3781
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nes 20; Conservative
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*tag=
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                                                                                                                                                                                                                                                                                                                    modified base
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                                                                                                                                                                                                                                               Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
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                                            antisense; inhibitor; hybridisation; human; phosphoinositide-3-kinase; regulatory subunit 4; p150; internucleoside linkage; phosphorothioace linkage; 2'-O-methoxysthyl sugar; 5-methylcytosine; infection; inflammation; themour formation; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; metabolic disorder; immunomodulator;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    New antisense compound targeted to a nucleic acid molecule encoding phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for treating cancer, Chediak-Higashi syndrome or a metabolic disorder.
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/note= "phosphorothioate backbone"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0.4%; Score 20; DB 1; Le
100.0%; Pred. No. 1.4e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0; Mismatches
     ISIS antisense oligonucleotide ISIS 207003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Example 15; SEQ ID NO 57; 60pp; English.
                                                                                                                                                                                   cytostatic; gene therapy; ss; primer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              3057 AGTIGATCTIGITAAAACCA 3076
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/*tag= a
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Best Local Similarity 100.'
Matches 20; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Freier SM, Dobie KW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WPI; 2004-282523/26.
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modified base
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01-APR-2004

Synthetic

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Gaps

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ADL34622/

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This invention describes a novel antisense oligonucleotides which specifically hybridises to and inhibits the expression of human phosphoinositided-1-kinase, regulatory subunit 4, p150. The phosphoinositided-1-kinase, regulatory subunit 4, p150. The coligonucleotides comprises at least one modified internucleoside linkage, preferably a phosphorothioate linkage. It also comprises at least one modified sugar molety, preferably a 2'-O-methoxyethy! sugar molety. The antisense oligonucleotide further comprises at least one modified nucleobase, preferably a 5-methylcytosine. The antisense oligonucleotide can be used in diagnostics and as research reagents and kits. It can also be used prophylactically, e.g. to prevent or delay infection, inflammation or tumour formation. It can also be used to treat a disease or condition associated with phosphoinositide-3-kinase, regulatory subunit 4, p150, e.g. hyperprofiferative disorder, preferably cancer, chediak-Higashi syndrome or a metabolic disorder. The products of the invention are immunomodulators with cytostatic activity and can be used
regulatory subunit 4; p150; internucleoside linkage; phosphorothioate linkage; 2'-O-methoxyethyl sugar; 5-methylcytosine; infection; inflammation; tumour formation; hyperproliferative disorder; cancer; Chediak-Higashi syndicme; metabolic disorder; immunomodulator; cytostatic; gene therapy; ds.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  New antisense compound targeted to a nucleic acid molecule encoding phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for treating cancer, Chediak-Higashi syndrome or a metabolic disorder.
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100.0%; Pred. No. 1.4e+02;
live 0; Mismatches 0; Indels
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Best Local Similarity 100.0
Watches 20; Conservative
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                                                                                                                                                                     Homo sapiens
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                                                                                                         antisense; inhibitor; hybridisation; human; phosphoinositide-3-kinase; regulatory subunit 4; p150; internucleoside linkage; phosphorothioare linkage; 2'-O-methoxyethyl sugar; 5-methylcytosine; infection; inflammation; tumour formation; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; metabolic disorder; immunomodulator;
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                                                           Phosphoinositide-3-kinase regulatory subunit 4 p150 fragment 124610.
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                                                                                                                                                                                                                                                     cytostatic; gene therapy; ds.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           18-SEP-2003; 2003US-00667022
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 31-MAY-2002; 2002US-00160786
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     (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   20; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Freier SM, Dobie KW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WPI; 2004-282523/26.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (FREI/) FREIER S M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (DOBI/) DOBIE K W.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         for gene therapy
                                                                                                                                                                                                                                                                                                                                                                 US2004063657-A1
                                                                                                                                                                                                                                                                                                           Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  17-JUN-2004
        17-JUN-2004
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RESULT 242

Matches

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This invention describes a novel antisense oligonucleotides which specifically hybridises to and inhibits the expression of human opposited specifically hybridises to and inhibits the expression of human of phosphoinositided states, regulatory subunit 4, p.150. The phosphoinositides at least one modified internucleoside linkage, or preferably a phosphorothicate linkage. It also comprises at least one antisense oligonucleotide further comprises at least one modified sugar molety, preferably a 2'-O-methoxyethyl sugar molety. The antisense oligonucleotide further comprises at least one modified nucleobase, preferably a 5-methylcytosine. The antisense oligonucleotide can bused in diagnostics and as research reagents and kits. It can also be used prophylactically, e.g. to prevent or delay infection, inflammation or tumour formation. It can also be used to treat a disease or condition associated with phosphoinositide-3-kinase, regulatory subunit 4, p.150, e.g. hyperproliferative disorder, preferably cancer, chediak-Higashi syndrome or a metabolic disorder. The products of the invention are immunomodulators with cytostatic activity and can be used
                                                                                                                                                                                                                          New antisense compound targeted to a nucleic acid molecule encoding phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for treating cancer, Chediak-Higashi syndrome or a metabolic disorder.
                                                                                                                                                                                                                                                                                                   Example 15; SEQ ID NO 137; 60pp; English.
                               18-SEP-2003; 2003US-00667022
                                                                 31-MAY-2002; 2002US-00160786
                                                                                                                                                            Dobie KW;
                                                                                                                                                                                            WPI; 2004-282523/26.
                                                                                                      (FREI/) FREIER S M.
                                                                                                                       (DOBI/) DOBIE K W.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          for gene therapy.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US2004063657-A1.
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01-APR-2004.
                                                                                                                                                            Freier SM,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Synthetic.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   This invention describes a novel antisense oligonucleotides which specifically hybridises to and inhibits the expression of human phosphoinositide3-% timase, regulatory subunit 4, p150. The oligonucleotides comprises at least one modified internucleoside linkage, preferably a phosphorothioate linkage. It also comprises at least one modified sugar moiety, preferably a 2'-O-methoxyethyl sugar moiety. The antisense oligonucleotide further comprises at least one modified uncleobase, preferably a S-Methylcytosine. The antisense oligonucleotide cucleobase, preferably as research reagents and kits. It can also be used prophylactically, e.g. to prevent or delay infection, inflammation or tumour formation. It can also be used to treat a disease or condition associated with phosphoinositide-3-kinase, regulatory subunit 4, p150, e.g. hyperproliferative disorder, preferably cancer, chediak-Higashi syndrome or a metabolic disorder. The products of the invention are immunomodulators with cytostatic activity and can be used
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Phosphoinositide-3-kinase regulatory subunit 4 p150 fragment 124655.
                                                                                                                                                                                                                                                                                                                      New antisense compound targeted to a nucleic acid molecule encoding phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for treating cancer, Chediak-Higashi syndrome or a metabolic disorder.
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                                                                                                                                                                                                                                                                                                                                                                                                  Example 15; SEQ ID NO 126; 60pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   3250 TCTGCTGGCATTTGTGTCCC 3269
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 TCTGCTGGCATTTGTGTCCC 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADL34691 standard; DNA; 20 BP
                                                                                                                             18-SEP-2003; 2003US-00667022
                                                                                                                                                                31-MAY-2002; 2002US-00160786
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                                                                                                                                                                                                                                                      Freier SM, Dobie KW;
                                                                                                                                                                                                                                                                                        WPI; 2004-282523/26.
                                                                                                                                                                                                (FREI/) FREIER S M. (DOBI/) DOBIE K W.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Best Local Similarity
Matches 20; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     for gene therapy
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                    Homo sapiens
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                                                                                           01-APR-2004
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                                                                                                             Gaps
                                                                                                             ö
                                                       Length 20;
                                                                                                          0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   /note= "phosphorothioate backbone"
Sequence 20 BP; 2 A; 8 C; 3 G; 7 T; 0 U; 0 Other;
                                               . Match 0.4%; Score 20; DB 1; Le Local Similarity 100.0%; Pred. No. 1.4e+02; les 20; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ISIS antisense oligonucleotide ISIS 206980.
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                                                                                                                                                                  3991 GGCCTCATCACTTCCTTTGC 4010
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                                                                                                                                                                                           1 GGCCTCATCACTTCCTTTGC
                                                                                                                                                                                                                                                                                                                                                          ADL34588 standard; DNA; 20 BP
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/*tag= a
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Dobie KW;

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New antisense compound targeted to a nucleic acid molecule encodin
phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for
treating cancer, Chediak-Higashi syndrome or a metabolic disorder.
                                                            18-SEP-2003; 2003US-00667022
                                                                                           31-MAY-2002; 2002US-00160786
                                                                                                                                                                                                  WPI; 2004-282523/26.
                                                                                                                       (FREI/) FREIER S M. (DOBI/) DOBIE K W.
US2004063657-A1.
                             01-APR-2004
                                                                                                                                                                      Freier SM,
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                                                                                                                                                                                                                                                                                                         This invention describes a novel antisense oligonucleotides which specifically hybridises to and inhibits the expression of human phosphorioatide-3-kinase, regulatory subunit 4, pi50. The oligonucleotides comprises at least one modified internucleoside linkage, preferably a phosphorothioate linkage. It also comprises at least one modified sugar molety, preferably a 2-0-methoxyethyl sugar molety. The antisense oligonucleotide further comprises at least one molety. The nucleobase, preferably a 5-methylcytosine. The antisense oligonucleotide can be used prophylactically, e.g. to prevent or delay infection, inflammation or tumour formation. It can also be used to treat a disease or condition associated with phosphoinostide-3-kinase, regulatory cubunit 4, pi50, e.g. hyperproliferative disorder, preferably cancer, chediak-Higashi syndrome or a metabolic disorder. The products of the invention are immunomodulators with cytostatic activity and can be used
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   antisense; inhibitor; hybridisation; human; phosphoinositide-3-kinase; regulatory subunit 4; p150; internucleoside linkage; phosphorothioate linkage; 2'-O-methoxyethyl sugar; 5-methylcytosine; infection; inflammation; tumour formation; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; metabolic disorder; immunomodulator; cytostatic; gene therapy; ss; primer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
                                                                                                                                                                                                                 New antisense compound targeted to a nucleic acid molecule encoding phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for treating cancer, Chediak-Higashi syndrome or a metabolic disorder.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0.4%; Score 20; DB 1; Length 20;
100.0%; Pred. No. 1.4e+02;
ive 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 20 BP; 5 A; 4 C; 3 G; 8 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ISIS antisense oligonucleotide ISIS 207039.
                                                                                                                                                                                                                                                                                 Example 15; SEQ ID NO 34; 60pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              /*tag= a
/mod_base= OTHER
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                                            18-SEP-2003; 2003US-00667022
                                                                         31-MAY-2002; 2002US-00160786
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*tag=
                                                                                                                                                      Freier SM, Dobie KW;
                                                                                                       (FREI/) FREIER S M. (DOBI/) DOBIE K W.
                                                                                                                                                                                   WPI; 2004-282523/26
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Best Local Similarity
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modified_base
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              01-APR-2004.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Matches
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This invention describes a novel antisense oligonucleotides which specifically hybridises to and inhibits the expression of human phosphonositided "stimase, regulatory subunit 4, piso. The phosphoinositided" this ase, regulatory subunit 4, piso. The coligonucleotides comprises at least one modified internucleoside linkage, preferably a phosphorothioate linkage. It also comprises at least one modified sugar molety, preferably a 2'-O-methoxyethyl sugar molety. The antisense oligonucleotide further comprises at least one modified nucleobase, preferably a 5-methylcycosine. The antisense oligonucleotide can be used in diagnostics and as research reagents and kits. It can also be used prophylactically, e.g. to prevent or delay infection, if and an appropriate or condition associated with phosphoinositide-3-kinase, regulatory subunit 4, piso, e.g. hyperproliferative disorder, preferably cancer, chediak-Higashi syndrome or a metabolic disorder. The products of the invention are immunomodulators with cytostatic activity and can be used
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 20 BP; 7 A; 4 C; 5 G; 4 T; 0 U; 0 Other;
Example 15; SEQ ID NO 85; 60pp; English.
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Best Local Similarity 100.0
Watches 20; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           for gene therapy.
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Dobie KW;

Freier SM,

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This invention describes a novel antisense oligonucleotides which specifically hybridises to and inhibits the expression of human phosphoinositide-3-kinase, regulatory submit 4, p150. The phosphoinositide-3-kinase at least one modified internucleoside linkage, or preferably a phosphorothioate linkage. It also comprises at least one motified sugar moiety, preferably a 2'-0-methoxyethyl sugar moiety. The antisense oligonucleotide further comprises at least one modified nucleobase, preferably a 5-methylcytosine. The antisense oligonucleotide further comprises at neast one modified nucleobase, preferably a 5-methylcytosine. The antisense oligonucleotide in diagnostics and as research reagents and kits. It can also be used prophylactically, e.g. to prevent or delay infection, inflammation or tumour formation. It can also be used to treat a disease or or ordition associated with phosphoinositide-3-kinase, regulatory submit 4, p150, e.g. hyperproliferative disorder, preferably cancer, chediak-Higashi syndrome or a metabolic disorder. The products of the fine-property of the continual continual property of a metabolic disorder. The products of the fine-property of the continual continu
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               antisense; inhibitor; hybridisation; human; phosphoinositide-3-kinase; regulatory subunit 4; p150; internucleoside linkage; phosphorothicate linkage; 2'-O-methoxyethyl sugar; 5-methylcytosine; infection; inflammation; tumour formation; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; metabolic disorder; immunomodulator; cytostatic; gene therapy; ds.
                                                                                                                                                                                                                                                                         New antisense compound targeted to a nucleic acid molecule encoding phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for treating cancer, Chediak-Higashi syndrome or a metabolic disorder.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Phosphoinositide-3-kinase regulatory subunit 4 p150 fragment 124597.
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100.0%; Pred. No. 1.4e+02;
Ative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 20 BP; 2 A; 5 C; 8 G; 5 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                    Example 15; SEQ ID NO 89; 60pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           62
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                             31-MAY-2002; 2002US-00160786.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      43 CGTTTGCTGGGGCTGCAGCA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADL34646 standard; DNA; 20 BP.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match 0.4
Best Local Similarity 100.
Matches 20; Conservative
                                                                                                                                                                Freier SM, Dobie KW;
                                                                                                                                                                                                                       WPI; 2004-282523/26.
                                                                              (FREI/) FREIER S M.
                                                                                                           DOBIE K W.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 for gene therapy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US2004063657-A1.
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                                                                                                           DOBI/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RESULT 248
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Ношо
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This invention describes a novel antisense oligonucleotides which specifically hybridises to and inhibits the expression of human phosphoinositide-3-kinase, regulatory subunit 4, plso. The phosphoinositide-3-kinase, regulatory subunit 4, plso. The oligonucleotides comprises at least one modified internucleoside linkage, comprises at least one modified sugar molety, preferably a 2'-0-methoxyeethyl sugar molety. The antisense oligonucleotide further comprises at least one modified and prophylactically, e.g. to prevent or delay infection, disonation or tumour formation. It can also be used prophylactically, e.g. to prevent or delay infection, disease or or ordition associated with phosphoinositide-3-kinase, regulatory subunit 4, plso, e.g. hyperproliferative disorder, preferably cancer, companied and prophylactical and prevent or delay infection, disease condition associated with phosphoinositide-3-kinase, regulatory subunit 4, plso, e.g. hyperproliferative disorder. The products of the formation are immunomodulators with cytostatic activity and can be used
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           antisense; inhibitor; hybridisation; human; phosphoinositide-3-kinase; regulatory subunit 4; p150; internucleoside linkage; phosphorochioace linkage; 2'-O-methoxyethyl sugar; 5-methylcytosine; infection; inflammation; tumour formation; hyperproliferative disorder, cancer; Chediak-Higashi syndrome; metabolic disorder; immunomodulator; cytostatic; gene therapy; ds.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                            New antisense compound targeted to a nucleic acid molecule encoding
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Phosphoinositide-3-kinase regulatory subunit 4 p150 fragment 124663.
                                                                                                                                     phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for treating cancer, Chediak-Higashi syndrome or a metabolic disorder.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         / Match 0.4%; Score 20; DB 1; Length 20; Local Similarity 100.0%; Pred. No. 1.4e+02; nes 20; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 20 BP; 5 A; 6 C; 3 G; 6 T; 0 U; 0 Other;
                                                                                                                                                                                                   Example 15; SEQ ID NO 92; 60pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  486 CCTCTGAACGATTTTGACAC 505
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CCTCTGAACGATTTTGACAC 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  BP.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (first entry)
                                                                   WPI; 2004-282523/26.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    for gene therapy.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US2004063657-A1.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
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0; Gaps

18-SEP-2003; 2003US-00667022. 31-MAY-2002; 2002US-00160786.

01-APR-2004.

(FREI/) FREIER S M. (DOBI/) DOBIE K W.

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This invention describes a novel antisense oligonucleotides which specifically hybridises to and inhibits the expression of human phosphoinositide-3-kinase, regulatory subunit 4, p150. The oligonucleotides comprises at least one modified internucleoside linkage, preferably a phosphorothioate linkage. It also comprises at least one modified antisense oligonucleotide further comprises at least one modified nucleobase, preferably a 5-methylcytosine. The antisense oligonucleotide further comprises at least one modified nucleobase, preferably a 5-methylcytosine. The antisense oligonucleotide further comprises at least one modified nucleobase, preferably a 5-methylcytosine. The antisense oligonucleotide further comprises at least one modified nucleobase, preferably e.g. to prevent or delay infection, inflammation or tumour formation. It can also be used to treat a disease or condition associated with phosphoinositide-3-kinase, regulatory condition associated with phosphoinositide-3-kinase, regulatory chediak-Higashi syndrome or a metabolic disorder. The products of the formation are immunomodulators with cytostatic activity and can be used
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 antimense; inhibitor; hybridisation; human; phosphoinositide-3-kinase; regulatory subunit 4; p150; internucleoside linkage; phosphorothioate linkage; 2'-O-methoxysthyl sugar; 5-methylcytosine; infection; inflammation; tumour formation; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; metabolic disorder; immunomodulator;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Phosphoinositide-3-kinase regulatory subunit 4 p150 fragment 124666.
New antisense compound targeted to a nucleic acid molecule encoding phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for treating cancer, Chediak-Higashi syndrome or a metabolic disorder.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 20; DB 1; Length 20;
Pred. No. 1.4e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 20 BP; 5 A; 2 C; 6 G; 7 T; 0 U; 0 Other;
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100.0%; Pred. No. 1....
                                                                               Example 15; SEQ ID NO 141; 60pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  20; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                  for gene therapy.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADL34697;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local S
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Example 15; SEQ ID NO 143; 60pp; English

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specifically hybridises to and inhibits the expression of human specifically hybridises to and inhibits the expression of human phosphoinositide-3-kinase, regulatory abbunit 4, p150. The oligonucleotides comprises at least one modified internucleoside linkage, preferably a phosphorothioate linkage. It also comprises at least one modified modified sugar molety, preferably a 2'-O-methoxyethyl sugar molety. The antisense oligonucleotide further comprises at least one modified nucleobase, preferably a 5-methylcytosine. The antisense oligonucleotide further comprises at least one modified nucleobase, preferably a 5-methylcytosine. The antisense oligonucleotide can be used in diagnostics and as research reagents and kits. It can also be used prophylactically, e.g. to prevent or delay infection, inflammation or tumour formation. It can also be used to treat a disease or condition associated with phosphoinositide-3-kinase, regulatory condition associated with phosphoinositide-3-kinase, regulatory chediak-Higashi syndrome or a metabolic disorder. The products of the invention are immunomodulators with cytostatic activity and can be used
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          antisense; inhibitor; hybridisation; human; phosphoinositide-3-kinase; regulatory subunit 4; p150; internucleoside linkage; phosphorothioate linkage; 2'-0-methoxyethyl sugar; 5-methylcytosine; infection; inflammation; tumour formation; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; metabolic disorder; immunomodulator;
                                                                                                                                                                                                                                                                                                                                                                                                                     Gape
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                                                                                                                                                                                                                                                                                                                                                                              0.4%; Score 20; DB 1; Length 20; 100.0%; Pred. No. 1.4e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                 0; Indels
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                                                                                                                                                                                                                                                                                                                                        Sequence 20 BP; 8 A; 3 C; 4 G; 5 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ISIS antisense oligonucleotide ISIS 206982.
                                                                                                                                                                                                                                                                                                                                                                                                                   0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                         4633 GTGTGGAAATAAAACCTACT 4652
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               base= OTHER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADL34590 standard; DNA; 20 BP
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/*tag= a
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                                                                                                                                                                                                                                                                                                                                                                                               Best Local Similarity 100.
Matches 20; Conservative
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                                                                                                                                                                                                                                                                                                  for gene therapy.
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modified_base
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                                                                                                                                                                                                                                                                                                                                                                                Query Match
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ADL34590/c
%$3333333333333333333$$
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This invention describes a novel antisense oligonucleotides which specifically hybridises to and inhibits the expression of human phosphoinositide-3-kinase, regulatory subunit 4, p150. The phosphoinositide-3-kinase, regulatory subunit 4, p150. The coligonucleotides comprises at least one modified internucleoside linkage, preferably a phosphorothioate linkage. It also comprises at least one antisense oligonucleotide further comprises at least one modified sugar modety, preferably a 2'-o-methoxyethyl sugar moiety. The modified sugar modety, preferably a 2'-o-methoxyethyl sugar moiety. The nucleobase, preferably a 5-methylcytosine. The antisense oligonucleotide can be used in diagnostics and as research reagents and kits. It can also be used prophylactically, e.g. to prevent or delay infection, and inflammation or tumour formation. It can also be used to treat a disease or condition associated with phosphoinostide-3-kinase, regulatory subunit 4, p150, e.g. hyperproliferative disorder, preferably cancer, chediak-Higashi syndrome or a metablolic disorder. The products of the invention are immunomodulators with cytostatic activity and can be used
                                                                                                                                                                                                                                                                                                                                                                                     Sequence 20 BP; 7 A; 3 C; 8 G; 2 T; 0 U; 0 Other;
        Example 15; SEQ ID NO 73; 60pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               3991 GGCCTCATCACTTCCTTTGC 4010
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                      Best Local Similarity
Matches 20; Conserv
                                                                                                                                                                                                                                                                                                                                                          for gene therapy
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                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
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ADL34628/
셤
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                               This invention describes a novel antisense oligonucleotides which specifically hybridises to and inhibits the expression of human phosphoinositide 3. Finase, regulatory subunit 4, p150. The phosphoinositide comprises at least one modified internucleoside linkage, oligonucleotides comprises at least to comprise at least one modified sugar moiety, preferably a 2-0-methoxyethyl sugar moiety. The antisense oligonucleotide further comprises at least one modified sugar moiety, preferably a 2-0-methoxyethyl sugar moiety. The nucleobase, preferably a 5-methylcytosine. The antisense oligonucleotide can be used in diagnostics and as research reagents and kits. It can also be used prophylactically, e.g. to prevent or delay infection, inflammation or tumour formation. It can also be used to treat a disease or condition associated with phosphoinositide-3-kinase, regulatory subunit 4, p150, e.g. hyperproliferative disorder, preferably cancer, chediak-Higashi syndrome or a metabolic disorder. The products of the invention are immunomodulators with cytostatic activity and can be used
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 antisense; inhibitor; hybridisation; human; phosphoinositide-3-kinase; regulatory subunit 4; p150; internucleoside linkage; phosphorothioate linkage; 2'-O-methoxyethyl sugar; 5-methylcytosine; infection; inflammation; tumour formation; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; metabolic disorder; immunomodulator; cytostatic; gene therapy; ss; primer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         New antisense compound targeted to a nucleic acid molecule encoding phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for treating cancer, Chediak-Higashi syndrome or a metabolic disorder.
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                                                                                                                                                                                                                                                                                                                                                                                                                         Score 20; DB 1; Length 20;
Pred. No. 1.4e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                              0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 /note= "phosphorothioate backbone"
                                                                                                                                                                                                                                                                                                                                                                                 Sequence 20 BP; 5 A; 5 C; 7 G; 3 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                              0.4%; Scor.
100.0%; Pred. No. 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ISIS antisense oligonucleotide ISIS 207027.
      Example 15; SEQ ID NO 36; 60pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1498 CAGCGTGGCAATGCCTTTCC 1517
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               20 CAGCGTGGCAATGCCTTTCC 1
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/*tag= a
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                       20; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                  Local Similarity
                                                                                                                                                                                                                                                                                                                                                   for gene therapy
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modified_base
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                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
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Length 20; 0; Indels

0.4%; Score 20; DB 1; Le 100.0%; Pred. No. 1.4e+02;

100.0%; Pred.

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antisense; inhibitor; hybridisation; human; phosphoinositide-3-kinase; regulatory subunit 4; p150; internucleoside linkage; phosphorothioace linkage; 2'-0-methoxystehyl sugar; 5-methylcytosine; infection; inflammation; tumour formation; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; metabolic disorder; immunomodulator;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       New antisense compound targeted to a nucleic acid molecule encoding phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for
                                                                                                                                                                                                                                                                                                                               'note= "phosphorothioate backbone"
                                                                                                                                             ISIS antisense oligonucleotide ISIS 207028.
                                                                                                                                                                                                                                                                               Location/Qualifiers
1. .20
/*tag= a
/mod_base= OTHER
                                                                                                                                                                                                                                   cytostatic; gene therapy; ss; primer
18-SEP-2003; 2003US-00667022.
                                                                                                                                                                                                                                                                                                                                                                                                                                  31-MAY-2002; 2002US-00160786.
                                                                       ADL34628 standard; DNA; 20
                                                                                                                          (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                         (FREI/) FREIER S M. (DOBI/) DOBIE K W.
                                                                                                                                                                                                                                                                                                                                                            US2004063657-A1
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modified base
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                                                                                                                             This invention describes a novel antisense oligonucleotides which specifically hybridises to and inhibits the expression of human phosphoinositide-3-kinase, regulatory subunit 4, p150. The oligonucleotides comprises at least one modified internucleoside linkage, preferably a phosphorothioate linkage. It also comprises at least one modified augar moiety. Preferably a 2'-0-methoxyethyl sugar moiety. The antisense oligonucleotide further comprises at least one modified on lucleobase, preferably a 5-methylcytosine. The antisense oligonucleotide can be used in diagnostics and as research reagents and kits. It can also be used in diagnostics and as research reagents and kits. It can also be used prophylactically, e.g. to prevent or delay infection, inflammation or tumour formation. It can also be used to treat a disease or condition associated with phosphoinostide-3-kinase, regulatory subunit 4, p150, e.g. hyperproliferative disorder, preferably cancer, Chediak-Higashi syndrome or a metabolic disorder. The products of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         invention are immunomodulators with cytostatic activity and can be used
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phosphorothioate linkage; 2'-O-methoxyethyl sugar; 5-methylcytosine;
infection; inflammation; tumour formation; hyperproliferative disorder;
cancer; Chediak-Higashi syndrome; metabolic disorder; immunomodulator;
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treating cancer, Chediak-Higashi syndrome or a metabolic disorder.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0.4%; Score 20; DB 1; Length 20; 100.0%; Pred. No. 1.4e+02; tive 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 20 BP; 7 A; 6 C; 4 G; 3 T; 0 U; 0 Other;
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                                                                    Example 15; SEQ ID NO 74; 60pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       cytostatic, gene therapy, ss, primer.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity
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modified_base
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This invention describes a novel antisense oligonucleotides which specifically hybridises to and inhibits the expression of human phosphoinositided-1*timase, regulatory subunit 4, p150. The phosphoinositided-1*timase, regulatory subunit 4, p150. The coligonucleotides comprises at least one modified internucleoside linkage, preferably a phosphorothioate linkage. It also comprises at least one modified sugar modety, preferably a 2'-O-methoxyethyl sugar modety. The antisense oligonucleotide further comprises at least one modified under modety, preferably a 5-methylcytosine. The antisense oligonucleotide can be used indiagnostics and as research reagents and kits. It can also be used prophylactically, e.g. to prevent or delay infection, inflammation or tumour formation. It can also be used to treat a disease or condition associated with phosphoinositide-3-kinase, regulatory subunit 4, p150, e.g. hyperprofiferative disorder, preferably cancer, chediak-Higashi syndrome or a metabolic disorder. The products of the invention are immunomodulators with cytostatic activity and can be used
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   antisense; inhibitor; hybridisation; human; phosphoinositide-3-kinase; regulatory subunit 4; p150; internucleoside linkage; phosphorothioate linkage; 2'-0-methoxyethyl sugar; 5-methylcytosine; infection; inflammation; tumour formation; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; metabolic disorder; immunomodulator;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gape
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phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for treating cancer, Chediak-Higashi syndrome or a metabolic disorder.
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                                                           Example 15; SEQ ID NO 81; 60pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           4397 ATGTTGCAGGAAGTACT 4416
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Conservative
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Matches 20, Conserv
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                                                                                                                                                                                                                                                                                                                                                                                               for gene therapy
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This invention describes a novel antisense oligonucleotides which specifically hybridises to and inhibits the expression of human phosphoinositided. *Internate subunit 4, p150. The oligonucleotides comprises at least one modified internucleoside linkage, preferably a phosphorothioate linkage. It also comprises at least one modified sugar moiety, preferably a 2'-O'methoxyethyl sugar moiety. The antisense oligonucleotide further comprises at least one moiety. The nucleobase, preferably a s-methylcytosine. The antisense oligonucleotide can be used prophylactically, e.g. to prevent or delay infection, be used prophylactically, e.g. to prevent or delay infection, inflammation or tumour formation. It can also be used to treat a disease or condition associated with phosphoinositide-3*kinaes, regulatory subunit 4, p150, e.g. hyperproliferative disorder, preferably cancer, chediak-Higashi syndrome or a metabolic disorder. The products of the invention are immunomodulators with cytostatic activity and can be used
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           antisense; inhibitor; hybridisation; human; phosphoinositide-3-kinase; regulatory subunit 4; p150; internucleoside linkage; phosphorothioate linkage; 2'-0-methoxyethyl sugar; 5-methylcytosine; infection; inflammation; tumour formation; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; metabolic disorder; immunomodulator; cytostatic; gene therapy; ds.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 20 BP; 8 A; 3 C; 7 G; 2 T; 0 U; 0 Other;
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Best Local Similarity 100.
Matches 20; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     for gene therapy.
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modified sugar moiety, preferably a 2'-O-methoxyethyl sugar moiety. The antisense oligonucleotide further comprises at least one modified nucleobase, preferably a 5-methylcytosine. The antisense oligonucleotide can be used in diagnostics and as research reagents and kits. It can also be used prophylactically, e.g. to prevent or delay infection, inflammation or tumour formation. It can also be used to treat a disease or condition associated with phosphoinositide-3-kinase, regulatory subunit 4, p150, e.g. hyperproliferative disorder, preferably cancer, chediak-Higashi syndrome or a metabolic disorder. The products of the invention are immunomodulators with cytostatic activity and can be used
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   This invention describes a novel antisense oligonucleotides which specifically hybridises to and inhibits the expression of human phosphoinositide-3-kinase, regulatory subunit 4, p150. The oligonucleotides comprises at least one modified internucleoside linkage,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         antisense; inhibitor; hybridisation; human; phosphoinositide-3-kinase; regulatory subunit 4; p150; internucleoside linkage; bhosphorothioare linkage; 2'-O-methoxystehyl sugar; 5-methylcytosine; infection; inflammation; tummour formation; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; metabolic disorder; immunomodulator;
                                                                                                                                                                                                                                                                                    Gaps
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                                                                                                                                                                                                                                                Length 20;
                                                                                                                                                                                                                                                                                0; Indels
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                                                                                                                                                                                                              Sequence 20 BP; 8 A; 4 C; 3 G; 5 T; 0 U; 0 Other;
                                                                                                                                                                                                                                              0.4%; Score 20; DB 1; Le
100.0%; Pred. No. 1.4e+02;
iive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ISIS antisense oligonucleotide ISIS 206965.
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                                                                                                                                                                                                                                                                                                                                                                                                                                          ADL34573 standard; DNA; 20
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                                                                                                                                                                                                                                                                                      Conservative
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                                                                                                                                                                                                                                                                      Local Similarity
nes 20; Conserv
                                                                                                                                                                                    for gene therapy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US2004063657-A1
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                                                                                                                                                                                                                                                     Query Match
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                                                                                                                                                                                                                                                                                                                                                                                                           RESULT 257
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preferably a phosphorothioate linkage. It also comprises at least one modified sugar moiety, preferably a 2'-O-methoxyethyl sugar moiety. The antisense oligonucleotide further comprises at least one modified nucleobase, preferably a 5-methylcytosine. The antisense oligonucleotide further to more the antisense oligonucleotide can be used in diagnostics and as research reagents and kits. It can also be used prophylactically, e.g. to prevent or delay infection, inflammation or tumour formation. It can also be used to treat a disease or condition associated with phosphoinostide-3-kinase, regulatory checkath, typesproliferative disorder, preferably cancer, checkak-Higashi syndrome or a metabolic disorder. The products of the invention are immunomodulators with cytostatic activity and can be used
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      antisense; inhibitor; hybridisation; human; phosphoinositide-3-kinase; regulatory subunit 4; p150; internucleoside linkage; phosphorchioare linkage; 2'-O-methoxyethyl sugar; 5-methylcytosine; infection; inflammation; tumour formation; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; metabolic disorder; immunomodulator; cytostatic; gene therapy; ss; primer.
                                                                                                                                                                                                                                                                                                                 Gapa
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                                                                                                                                                                                                                                                                      0.4%; Score 20; DB 1; Length 20; 100.0%; Pred. No. 1.4e+02; tive 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                        Sequence 20 BP; 5 A; 8 C; 4 G; 3 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ISIS antisense oligonucleotide ISIS 206973.
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                                                                                                                                                                                                                                                                                                                                                 703 CGAGAAGGCCTGGTCGTTGT 722
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                                                                                                                                                                                                                                                                                                                                                                    20 CGAGAAGGCCTGGTCGTTGT 1
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                                                                                                                                                                                                                                                                                             Local Similarity
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                                                                                                                                                                                                     for gene therapy.
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modified_base
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oligonucleotides comprises at least one modified internucleoside linkage, preferably a phosphorothicate linkage. It also comprises at least one modified eugar modety. Preferably a 2'-O-methoxychyl sugar modety. The antisense oligonucleotide further comprises at least one modified nucleobase, preferably a 5-methylcytosine. The antisense oligonucleotide further comprises at least one modified on be used in diagnostics and as research reagents and kits. It can also be used prophylactically, e.g. to prevent or delay infection, inflammation or tumour formation. It can also be used to treat a disease or condition associated with phosphoinositide-3-kinase, regulatory subunit 4, p150, e.g. hyperproliferative disorder, preferably cancer, chediak-Higashi syndrome or a metabolic disorder. The products of the invention are immunomodulators with cytostatic activity and can be used
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        antisense; inhibitor; hybridisation; human; phosphoinositide-3-kinase; regulatory subunit 4; p150; internucleoside linkage; phosphorochioare linkage; 2'-O-methoxyethyl sugar; 5-methylcytosine; infection; inflammation; tumour formation; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; metabolic disorder; immunomodulator;
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                                                                                                                                                                                                                                                                                      0.4%; Score 20; DB 1; Length 20; 100.0%; Pred. No. 1.4e+02;
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/*tag= a
/mod_base= OTHER
/note= "phosphorothioate backbone"
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                                                                                                                                                                                                                                                                                                                                                           1032 GGTCACCAGTTGGAATTGGG 1051
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Best Local Similarity luv..
Best 20; Conservative
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                                                                                                                                                                                                                      for gene therapy
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modified_base
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phosphoinositide-3-kinase, regulatory subunit 4, p150. The oligonucleotides comprises at least one modified internucleoside linkage, oligonucleotides comprises at least one modified internucleoside linkage. It also comprises at least one modified sugar moiety, preferably a 2'-0-methoxyethyl sugar moiety. The antisense oligonucleotide further comprises at least one modified nucleobase, preferably a 5-methylcytosine. The antisense oligonucleotide can be used in diagnostics and as research reagents and kits. It can also be used prophylactically, e.g. to prevent or delay infection, inflammation or tumour formation. It can also be used to treat a disease crossing with phosphoinositide-3-kinase, regulatory subunit 4, p150, e.g. hyperproliferative disorder, preferably cancer, chediak-Higashi syndrome or a metabolic disorder. The products of the invention are immunomodulators with cytostatic activity and can be used
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              antisense; inhibitor; hybridisation, human; phosphoinositide-3-kinase; regulatory subunit 4; p150; internucleoside linkage; phosphorothioate linkage; 2'-0-methoxyethyl sugar; 5-methylcytosine; infection; inflammation; tumour formation; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; metabolic disorder; immunomodulator; cytostatic; gene therapy; ds.
                                                                                                                                                                                                                                                                                                                                                                                Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                          3250 TCTGCTGGCATTTGTGTCCC 3269
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Best Local Similarity 100.
Matches 20; Conservative
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This invention describes a novel antisense oligonuclectides which specifically hybridises to and inhibits the expression of human phosphoinostitide-3-kinase, regulatory submit 4, pl50. The oligonuclectides comprises at least one modified internucleoside linkage, preferably a phosphorothicate linkage. It also comprises at least one modified sugar motery, preferably a 2'-0-methoxyethy! sugar moiety. The antisense oligonucleotide further comprises at least one modified antisense oligonucleotide further comprises at least one moiety. The nucleobase, preferably a 5-methylcytosine. The antisense oligonucleotide can be used in diagnostics and as research reagents and kire. It can also be used prophylactically, e.g. to prevent or delay infection, inflammation or tumour formation. It can also be used to treat a disease or condition associated with phosphoinositide-3-kinase, regulatory
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nucleobase, preferably a 5-methylcytosine. The antisense oligonucleotide can be used in diagnostics and as research reagents and kits. It can also be used prophylactically, e.g. to prevent or delay infection, inflammation or tumour formation. It can also be used to treat a disease or condition associated with phosphoinositide-3-kinase, regulatory subunit 4, p150, e.g. hyperproliferative disorder, preferably cancer, chediak-Higashi syndrome or a metabolic disorder. The products of the invention are immunomodulators with cytostatic activity and can be used
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       antisense; inhibitor; hybridisation; human; phosphoinositide-3-kinase; regulatory subunit 4; p150; internucleoside linkage; phosphorothicate linkage; 2'-O-methoxyethyl sugar; 5-methylcytosine; infection; inflammation; tumour formation; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; metabolic disorder; immunomodulator;
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                                                                                                                                                                                                                                                                                                                                          CGGTCTGCACTTCTCTCCCG 111
                                                                                                                                                                                                                                                                                                                                                             CGGTCTGCACTTCTCTCCCG 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADL34658 standard; DNA; 20 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       cytostatic; gene therapy; ds.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   18-SEP-2003; 2003US-00667022
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          31-MAY-2002; 2002US-00160786
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     17-JUN-2004 (first entry)
                                                                                                                                                                                                                                                                                                   20; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Freier SM, Dobie KW;
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                                                                                                                                                                                                                                                             Query Match
Best Local Similarity
                                                                                                                                                                         for gene therapy.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US2004063657-A1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADL34658;
                                                                                                                                                                                                                                                                                                                                              92
                                                                                                                                                                                                                                                                                                                                                                                                                                                   RESULT 261
                                                                                                                                                                                                                                                                                                     Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADL34658
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                 888888888888888
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Sequence 20 BP; 6 A; 4 C; 4 G; 6 T; 0 U; 0 Other;

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This invention describes a novel antisense oligonucleotides which specifically hybridises to and inhibits the expression of human phosphorioatide-3-kinase, regulatory subunit 4, piso. The phosphorioatide-comprises at least one modified internucleoside linkage, preferably a phosphorothioate linkage. It also comprises at least one modified sugar molety, preferably a 2'-0-methoxyethyl sugar molety. The antisense oligonucleotide further of 2'-0-methoxyethyl sugar molety. The antisense oligonucleotide further sessions at least one modified nucleobase, preferably a 5-methylcytosine. The antisense oligonucleotide further can be used in diagnostics and as research reagents and kits. It can also be used prophylactically, e.g. to prevent or delay infection, inflammation or tumour formation. It can also be used to treat a disease or condition associated with phosphoinostide-3-kinase, regulatory conduction associated with phosphoinostide-3-kinase, regulatory chediak-Higashi syndrome or a metabolic disorder, preferably cancer, chediak-Higashi syndrome or a metabolic disorder. The products of the invention are immunomodulators with cytostatic activity and can be used
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subunit 4, p150, e.g. hyperproliferative disorder, preferably cancer, Chediak-Higashi syndrome or a metabolic disorder. The products of the invention are immunomodulators with cytostatic activity and can be used
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        disorder;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      antisense; inhibitor; hybridisation; human; phosphoinositide-3-kinase; regulatory subunit 4; p150; internucleoside linkage; phosphorothioate linkage; 2'-O-methoxyethyl sugar; 5-methylcytosine; infection; inflammation; tumour formation; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; metabolic disorder; immunomodulator; cytostatic; gene therapy; ds.
                                                                                                                                                                                      Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Phosphoinositide-3-kinase regulatory subunit 4 p150 fragment 124634.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              New antisense compound targeted to a nucleic acid molecule encoding phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for treating cancer, Chediak-Higashi syndrome or a metabolic disorder.
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                                                                                                                                             Length 20;
                                                                                                                                                                                    0; Indels
                                                                                                                                           'Match 0.4%; Score 20; DB 1; Le Local Similarity 100.0%; Pred. No. 1.4e+02; les 20; Conservative 0; Mismatches 0;
                                                                                                     Sequence 20 BP; 8 A; 2 C; 7 G; 3 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Example 15; SEQ ID NO 120; 60pp; English.
                                                                                                                                                                                                                           18-SEP-2003; 2003US-00667022.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            31-MAY-2002; 2002US-00160786
                                                                                                                                                                                                                                                                                                                                                                           ADL34674 standard; DNA; 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                           (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Freier SM, Dobie KW;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (FREI/) FREIER S M. (DOBI/) DOBIE K W.
                                                              for gene therapy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        for gene therapy
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                                                                                                                                                                                                                                                                                                                                                                                                                  ADL34674;
                                                                                                                                           Query Match
                                                                                                                                                                                                                                                                                                                                    RESULT 262
                                                                                                                                                                                    Matches
                                                                                                                                                                                                                                                                                                                                                          ADL34674
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This invention describes a novel antisense oligonucleotides which specifically hybridises to and inhibits the expression of human phosphoinositide-3-kinase, regulatory subunit 4, p150. The phosphoinositide-3-kinase, regulatory subunit 4, p150. The coligonucleotides comprises at least one modified internucleoside linkage. It also comprises at least one modified sugar moiety, preferably a 2'-0-methoxyethyl sugar moiety. The antisense oligonucleotide further comprises at least one modified nucleobase, preferably a 5-methylcytosine. The antisense oligonucleotide can be used in diagnostics and as research reagents and kits. It can also be used prophylactically. e.g. to prevent or delay infection, inflammation or tumour formation. It can also be used to treat a disease or condition associated with phosphoinositide-3-kinase, regulatory cubunit 4, p150, e.g. hyperproliferative disorder, preferably cancer, Chediak-Higashi syndrome or a metabolic disorder. The products of the invention are immunomodulators with cytostatic activity and can be used for gene therapy.
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                                                                                                                                                                                                                                                                                                                                                       antisense; inhibitor; hybridisation; human; phosphoinositide-3-kinase; regulatory subunit 4; p150; internucleoside linkage; phosphorothioate linkage; 2'-O-methoxytethyl sugar; 5-methylcytosine; infection; hiflammation; tumour formation; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; metabolic disorder; immunomodulator;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            New antisense compound targeted to a nucleic acid molecule encoding phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for treating cancer, Chediak-Higashi syndrome or a metabolic disorder.
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   Length 20;
                                      0; Indels
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0.4%; Score 20; DB 1; Le
100.0%; Pred. No. 1.4e+02;
ative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                      ISIS antisense oligonucleotide ISIS 206960.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                      cytostatic, gene therapy; ss; primer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Location/Qualifiers
                                                                         2731 GAACCAGTAAGTCGTTCTAT 2750
                                                                                               1 GAACCAGTAAGTCGTTCTAT 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    /mod_base= OTHER
                                                                                                                                                                                                         ADL34568 standard; DNA; 20 BP
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                                                                                                                                                                                                                                                                                   17-JUN-2004 (first entry)
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 Query Match
Best Local Similarity 100.
Matches 20; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (FREI/) FREIER S M. (DOBI/) DOBIE K W.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               modified_base
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Synthetic,
                                                                                                                                                                                                                                              ADL34568;
                                                                                                                                                                      RESULT 263
                                                                                                                                                                                        ADL34568/
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for gene therapy
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         This invention describes a novel antisense oligomucleotides which specifically hybridises to and inhibits the expression of human specifically hybridises to and inhibits the expression of human phosphoinositide-3-kinase, regulatory subunit 4, p100. The coligomucleotides comprises at least one modified internucleoside linkage, or anisanse moiety, preferably a 2'-O-methoxyethyl sugar modety. The modified sugar moiety, preferably a 2'-O-methoxyethyl sugar modety. The modified sugar moiety, preferably a 2'-O-methoxyethyl sugar modety. The nucleobase, preferably a senebylycosine. The antisense oligomucleotide can be used in diagnostics and as research reagents and kits. It can also be used prophylactically, e.g. to prevent or delay infection, or condition associated with phosphoinositide-3-kinase, regulatory subunit 4, p150, e.g. hyperproliferative disorder. The products of the invention are immunomodulators with cytostatic activity and can be used invention are immunomodulators with cytostatic activity and can be used
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                                                                                                                                                                                                                                                                  antisense; inhibitor; hybridisation; human; phosphoinositide-3-kinase; regulatory subunit 4; p150; internucleoside linkage; phosphorothioate linkage; 2'-O-methoxyethyl sugar; 5-methylcytosine; infection; inflammation; tumour formation; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; metabolic disorder; immunomodulator;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      New antisense compound targeted to a nucleic acid molecule encoding phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for treating cancer, Chediak-Higashi syndrome or a metabolic disorder.
                                                                Gaps
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                                     0.4%; Score 20; DB 1; Length 20;
100.0%; Pred. No. 1.40+02;
tive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                         /mod_base= OTHER
/note= "phosphorothioate backbone"
               Sequence 20 BP; 4 A; 4 C; 5 G; 7 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                ISIS antisense oligonucleotide ISIS 206961.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Example 15; SEQ ID NO 15; 60pp; English.
                                                                                                                                                                                                                                                                                                                                     cytostatic; gene therapy; ss; primer
                                                                                                                                                                                                                                                                                                                                                                                    Location/Qualifiers
                                                                                        391 CTATGAAGAAGACCCTTCG 410
                                                                                                                                                                                                                                                                                                                                                                                                                      base= OTHER
                                                                                                              20 CTATGAAGAAGACCCTTCG 1
                                                                                                                                                                            ADL34569 standard; DNA; 20 BP
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   31-MAY-2002; 2002US-00160786
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/*tag= a
                                                                                                                                                                                                                            (first entry)
                                                                  20; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Dobie KW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WPI; 2004-282523/26.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (FREI/) FREIER S M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (DOBI/) DOBIE K W.
                                          Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                              US2004063657-A1
                                                                                                                                                                                                                                                                                                                                                                                        Key
modified_base
                                                                                                                                                                                                                             17-JUN-2004
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                                                                                                                                                                                                                                                                                                                                                               Synthetic
                                                                                                                                                                                                      ADL34569;
                                                                                                                                                     RESULT 264
                                                                    Matches
                                                                                                                                                                   ADL34569,
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This invention describes a novel antisense oligonucleotides which specifically hybridises to and inhibits the expression of human specifically hybridises to and inhibits the expression of human phosphoinositide-3-kinase, regulatory subunit 4, p150. The coligonucleotides comprises at least one modified internucleoside linkage. Or preferably a phosphorothicate linkage. It also comprises at least one modified angar moiety, preferably a 2'-0-methoxyethyl sugar moiety. The modified sugar moiety preferably a 5-methylcytosine. The antisense oligonucleotide further comprises at least one modified an be used in diagnostics and as research reagents and kits. It can also can be used prophylactically, e.g. to prevent or delay infection, inflammation or tumour formation. It can also be used to treat a disease inflammation or tumour formation. It can also be used to treat a disease or condition associated with phosphoinositide-3-kinase, regulatory subunit 4, p150, e.g. hyperproliferative disorder, preferably cancer, chediak-Higashi syndrome or a metabolic disorder. The products of the
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                antisense; inhibitor; hybridisation; human; phosphoinositide-3-kinase; regulatory subunit 4; p150; internucleoside linkage; phosphorothioate linkage; 2'-O-methoxytethy! sugar; 5-methylcytosine; infection; inflammation; tumour formation; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; metabolic disorder; immunomodulator; cytostatic; gene therapy; ss; primer.
                                                                                                                                                Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       New antisense compound targeted to a nucleic acid molecule encoding phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for treating cancer, Chediak-Higashi syndrome or a metabolic disorder.
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0
                                                                             Length 20;
                                                                  Query Match 0.4%; Score 20; DB 1; Length 20; Best Local Similarity 100.0%; Pred. No. 1.4e+02; Matches 20; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   /note= "phosphorothioate backbone"
Sequence 20 BP; 6 A; 3 C; 6 G; 5 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ISIS antisense oligonucleotide ISIS 206962.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Example 15; SEQ ID NO 16; 60pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Location/Qualifiers
                                                                                                                                                                                                                                  486 CCTCTGAACGATTTTGACAC 505
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                /mod_base= OTHER
                                                                                                                                                                                                                                                                            20 CCTCTGAACGATTTTGACAC 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADL34570 standard; DNA; 20 BP.
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*tag≃ a
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADL34570;
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Synthetic.
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                                                                                                                                      Query Match
                                                                                                                                                                Best Loca
Matches
                                                                                                                                                                                                                                                                                                                                         RESULT 267
                                                                                                                                                                                                                                                                                                                                                              ADL34582/
  88888
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            antisense; inhibitor; hybridisation; human; phosphoinositide-3-kinase; regulatory subunit 4; p150; internucleoside linkage; phosphorothioate linkage; 2'-0-methoxyethyl sugar; 5-methylcytosine; infection; inflammation; tumour formation; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; metabolic disorder; immunomodulator;
  invention are immunomodulators with cytostatic activity and can be used
                                                                                                                                                           Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    New antisense compound targeted to a nucleic acid molecule encoding phosphoinositide-1-kinase, regulatory subunit 4, p150, useful for treating cancer, Chediak-Higashi syndrome or a metabolic disorder.
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                                                                                                            ch 0.4%; Score 20; DB 1; Length 20; Il Similarity 100.0%; Pred. No. 1.4e+02; 20; Conservative 0; Mismatches 0; Indels
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                                                                    Sequence 20 BP; 3 A; 2 C; 6 G; 9 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ISIS antisense oligonucleotide ISIS 206971.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             cytostatic; gene therapy; ss; primer
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1. .20
/*tag= a
/mod_base= OTHER
                                                                                                                                                                                                     534 AACCTTACTAAAGACCACAG 553
                                                                                                                                                                                                                             AACCTTACTAAAGACCACAG 1
                                                                                                                                                                                                                                                                                                                                                              ADL34579 standard; DNA; 20 BP
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DOBIE K W.
                         for gene therapy
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modified_base
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                                                                                                            Query Match
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                                                                                                                                   Best Local
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ADL34579/C

ID ADL34579/C

XX ADL345

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Chediak-Higashi syndrome or a metabolic disorder. The products of the invention are immunomodulators with cytostatic activity and can be used
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                antisense; inhibitor; hybridisation; human; phosphoinositide-3-kinase; regulatory subunit 4; p150; internucleoside linkage; phosphorchioare linkage; 2'-O-methoxyethyl sugar; 5-methylcytosine; infection, inflammation; tumour formation; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; metabolic disorder; immunomodulator; cytostatic; gene therapy; ss; primer.
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                                                                                                                                                                                                            0.4%; Score 20; DB 1; Length 20;
                                                                                                                                                                                                                                                                         0; Indels
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                                                                                                                                        Sequence 20 BP; 4 A; 5 C; 5 G; 6 T; 0 U; 0 Other;
                                                                                                                                                                                                                                         1.4e+02;
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                                                                                                                                                                                                                          100.0%; Pred. ...
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                                                                                                                                                                                                                                                                                                                                                 982 GCACACAAATCTGGAGTTCG 1001
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ses 20; Conservative
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                                                                           for gene therapy.
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modified_base
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condition associated with phosphoinositide-3-kinase, regulatory
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Matches
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         subunit 4, p150, e.g. hyperproliferative disorder, preferably cancer, Chediak-Higashi syndrome or a metabolic disorder. The products of the invention are immunomodulators with cytostatic activity and can be used
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                                                                                                                                                                             Score 20; DB 1; Length 20;
Pred. No. 1.4e+02;
0; Mismatches 0; Indels
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                                                                                                                              Sequence 20 BP; 5 A; 2 C; 6 G; 7 T; 0 U; 0 Other;
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100.0%; Pred. No. ...
0; Mismatches
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                                                                                                                                                                                                                                                                          1083 CACTTATCTTCCAGAGACA 1102
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                                                                                                                                                                                                                                                                                                       20 CACTTATCTTCCAGAAGACA
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Best Local Similarity 100.
Matches 20; Conservative
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                                                                                          for gene therapy.
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modified_base
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ADL34587/C
ADL34587/C
ADL3.
ADL
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This invention describes a novel antisense oligonucleotides which specifically hybridises to and inhibits the expression of human phosphoinositide-3-kinase, regulatory subunit 4, pi50. The soligonucleotides comprises at least one modified internucleoside linkage, preferably a phosphorothioate linkage. It also comprises at least one modified sugar moiety, preferably a 2'-O-methoxyethyl sugar moiety. The antisense oligonucleotide further comprises at least one mucleobase, preferably a 5-methylcycosine. The antisense oligonucleotide can be used in diagnostics and as research reagents and kits. It can also be used prophylactically, e.g. to prevent or delay infection,
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subunit 4, p150, e.g. hyperproliferative disorder, preferably cancer, chediak-Higashi syndrome or a metabolic disorder. The products of the invention are immunomodulators with cytostatic activity and can be used
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                                                                                                                                                              Sequence 20 BP; 9 A; 1 C; 5 G; 5 T; 0 U; 0 Other;
                                                                                                                                                                                                                      / Match 0.4%; Score 20; DB 1; Le Local Similarity 100.0%; Pred. No. 1.4e+02; nes 20; Conservative 0; Mismatches 0;
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1. 20
/*tag= a
/mod_base= OTHER
                                                                                                                                                                                                                                                                                                                                                       1337 CATTATTGATCTCTCAA 1356
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modified_base
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Synthetic
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inflammation or tumour formation. It can also be used to treat a disease or condition associated with phosphoinositide-2-kinase, regulatory subunit 4, p150, e.g. hyperproliferative disorder, preferably cancer, Chediak-Higashi syndrome or a metabolic disorder. The products of the
                                                  invention are immunomodulators with cytostatic activity and can be used
                                                                                                                                                                                                                                                                                                                                                antisense; inhibitor; hybridisation; human; phosphoinositide-3-kinase; regulatory subunit 4; p150; internucleoside linkage; phosphorothioste linkage; 2'-0-methoxyethyl sugar; 5-methylcytosine; infection; inflammation; tumour formation; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; metabolic disorder; immunomodulator; cytostatic; gene therapy; ss; primer.
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                                                                                                            Score 20; DB 1; Length 20;
Pred. No. 1.4e+02;
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                                                                                     Sequence 20 BP; 3 A; 6 C; 3 G; 8 T; 0 U; 0 Other;
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100.0%; Pred. No. ...
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                                                                                                                                                            2913 AGAGGAAGACAAACTTCTGG 2932
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                                                                                                                                                                            20 AGAGGAAGACAAACTTCTGG
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                                                                                                                         Local Similarity 100.
les 20; Conservative
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                                                           for gene therapy
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                                           a disease
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       antisense; inhibitor; hybridisation; human; phosphoinositide-3-kinase; regulatory subunit 4; p150; internucleoside linkage; phosphorothioate linkage; 2'-0-methoxyethyl sugar; 5-methylcytosine; infection; inflammation; tumour formation; hyperproliferative disorder; cancer; Chedlak-Higashi syndrome; metabolic disorder; immunomodulator; cytostatic; gene therapy; ss; primer.
                                                                                                                                                                            invention are immunomodulators with cytostatic activity and can be used for gene therapy.
be used prophylactically, e.g. to prevent or delay infection, inflammation or tumour formation. It can also be used to treat a disea or condition associated with phosphoinositide-3-kinase, regulatory subunit 4, p150, e.g. hyperproliferative disorder, preferably cancer, Chediak-Higashi syndrome or a metabolic disorder. The products of the
                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
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                                                                                                                                                                                                                                                                                                                                                     Length 20;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    /note= "phosphorothioate backbone"
                                                                                                                                                                                                                                                                             Sequence 20 BP; 4 A; 2 C; 5 G; 9 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                              0.4%; Score 20; DB 1; L. 100.0%; Pred. No. 1.4e+02; tive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ISIS antisense oligonucleotide ISIS 207011.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Example 15; SEQ ID NO 65; 60pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          3388 AAAACTGAACTTCAGCAACT 3407
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    /*tag= a
/mod_base= OTHER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAAACTGAACTTCAGCAACT 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADL34619 standard; DNA; 20 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      31-MAY-2002; 2002US-00160786
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                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity 100.0
Marches 20; Conservative
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*tag=
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WPI; 2004-282523/26.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (DOBI/) DOBIE K W.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US2004063657-A1
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modified_base
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can be used in diagnostics and as research reagents and kits. It can also be used prophylactically, e.g. to prevent or delay infection, inflammation or tumour formation. It can also be used to treat a disease or condition associated with phosphoinositide-3-kinase, regulatory subunit 4, pls0, e.g. hyperproliferative disorder, preferably cancer, Chediak-Higashi syndrome or a metabolic disorder. The products of the invention are immunomodulators with cytostatic activity and can be used
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            This invention describes a novel antisense oligonucleotides which specifically hybridises to and inhibits the expression of human phosphoinositide-3-kinase, regulatory submit 4, p150. The oligonucleotides comprises at least one modified internucleoside linkage, preferably a phosphorothioate linkage. It also comprises at least one modified sugar molety, preferably a 2'-O-methoxyethyl sugar molety. The antisense oligonucleotide further comprises at least one modified
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             antisense; inhibitor; hybridisation; human; phosphoinositide-1-kinase; regulatory subunit 4; pl50; internucleoside linkage; phosphorothioate linkage; 2'-O-methoxyethyl sugar; 5-methylcytosine; infection; inflammation; tumour formation; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; metabolic disorder; immunomodulator;
                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       New antisense compound targeted to a nucleic acid molecule encoding
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for treating cancer, Chediak-Higashi syndrome or a metabolic disorder.
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                                                                                                                                                                                                     DB 1; Length 20;
1.4e+02;
hes 0; Indels
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                                                                                                                                                                 Sequence 20 BP; 6 A; 4 C; 6 G; 4 T; 0 U; 0 Other;
                                                                                                                                                                                                   0.4%; Score 20; DB
100.0%; Pred. No. 1.4
ive 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ISIS antisense oligonucleotide ISIS 207041.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Example 15; SEQ ID NO 87; 60pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       cytostatic; gene therapy; ss; primer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Location/Qualifiers
                                                                                                                                                                                                                                                                            3523 GITGCCCATCTTCATGAGCA 3542
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                                                                                                                                                                                                                                                                                                                                                                                                      ADL34641 standard; DNA; 20
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                                                                                                                                                                                               Query Match 0.4°
Best Local Similarity 100.
Matches 20; Conservative
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*tag=
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (FREI/) FREIER S M. (DOBI/) DOBIE K W.
                                                                                                                               for gene therapy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US2004063657-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            modified base
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                        ADL34641;
                                                                                                                                                                                                                                                                                                                                                                  RESULT 272
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nucleobase, preferably a 5-methylcytosine. The antisense oligonucleotide can be used in diagnostics and as research reagents and kits. It can also be used prophylactically, e.g. to prevent or delay infection, inflammation or tumour formation. It can also be used to treat a disease or condition associated with phosphoinositide-3-kinase, regulatory coubunit 4, p150, e.g. hyperproliferative disorder, preferably cancer, Chediak-Higashi syndrome or a metabolic disorder. The products of the invention are immunomodulators with cytostatic activity and can be used
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           This invention describes a novel antisense oligonucleotides which specifically hybridises to and inhibits the expression of human oliospitales. Fighlatory subunit 4, pi50. The phosphoinositides are least one modified internucleoside linkage, preferably a phosphorothioate linkage. It also comprises at least one modified sugar moiety, preferably a 2'-O-methoxyethyl sugar moiety. The antisense oligonucleotide further comprises at least one modified nucleobase, preferably a 5-methyloytosine. The antisense oligonucleotide can be used prophylatorically, e.g. to prevent or delay infection, inflammation or tumour formation. It can also be used prophylatorical formation. It can also be used to treat a disease or condition associated with phosphoinositide-3-kinase, regulatory
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 antisense; inhibitor; hybridisation; human; phosphoinositide-3-kinase; regulatory subunit 4; p150; internucleoside linkage; phosphorothioate linkage; 2'-0-methoxysthyl sugar; 5-methylcytosine; infection; inflammation; tumour formation; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; metabolic disorder; immunomodulator;
                                                                                                                                                                                                                                                                                           Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Phosphoinositide-3-kinase regulatory subunit 4 p150 fragment 124599.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                New antisense compound targeted to a nucleic acid molecule encoding
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for
treating cancer, Chediak-Higashi syndrome or a metabolic disorder.
                                                                                                                                                                                                                                                                                         ;
                                                                                                                                                                                                                                                   Length 20;
                                                                                                                                                                                                                                                                                         0; Indels
                                                                                                                                                                                                         Sequence 20 BP; 6 A; 4 C; 2 G; 8 T; 0 U; 0 Other;
                                                                                                                                                                                                                                               0.4%; Score 20; DB 1; Ls
100.0%; Pred. No. 1.4e+02;
ive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Example 15; SEQ ID NO 94; 60pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         cytostatic; gene therapy; ds.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     18-SEP-2003; 2003US-00667022.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADL34648 standard; DNA; 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       17-JUN-2004 (first entry)
                                                                                                                                                                                                                                      Query Match
Best Local Similarity 100.
Matches 20; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WPI; 2004-282523/26.
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                                                                                                                                                                     for gene therapy.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADL34648;
                                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 273
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      8888888888888
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Seguence 20 BP; 3 A; 4 C; 7 G; 6 T; 0 U; 0 Other;

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Gaps

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This invention describes a novel antisense oligonucleotides which specifically hybridises to and inhibits the expression of human phosphoinositide-3-kinase, regulatory subunit 4, p150. The oligonucleotides comprises at least one modified internucleoside linkage, preferably a phosphorothioste linkage. It also comprises at least one modified modified engar molety, preferably a 2-0-methoxyethyl sugar molety. The antisense oligonucleotide further comprises at least one modified nucleobase, preferably a 5-methylcytosine. The antisense oligonucleotide further comprises at least one modified nucleobase, preferably a 5-methylcytosine. The antisense oligonucleotide further comprises at least one modified nucleobase, preferably e.g. to prevent or delay infection, inflammation or tumour formation. It can also be used to treat a disease or condition associated with phosphoinositide-3-kinase, regulatory combunit 4, p150, e.g. hyperproliferative disorder, preferably cancer, chediak-Higashi syndrome or a metabolic disorder. The products of the invention are immunomodulators with cytostatic activity and can be used
subunit 4, p150, e.g. hyperproliferative disorder, preferably cancer, Chediak-Higashi syndrome or a metabolic disorder. The products of the invention are immunomodulators with cytostatic activity and can be used
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       antisense; inhibitor; hybridisation; human; phosphoinositide-3-kinase; regulatory subunit 4; p150; internucleoside linkage; phosphorothioate linkage; 2'-O-methoxyethyl sugar; 5-methylcytosine; infection; inflammation; tumour formation; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; metabolic disorder; immunomodulator;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Phosphoinositide-3-kinase regulatory subunit 4 p150 fragment 124633.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 New antisense compound targeted to a nucleic acid molecule encoding phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for treating cancer, Chediak-Higashi syndrome or a metabolic disorder.
                                                                                                                                       Score 20; DB 1; Length 20;
Pred. No. 1.4e+02;
                                                                                                                                                                             0; Indels
                                                                                                  Sequence 20 BP; 6 A; 4 C; 4 G; 6 T; 0 U; 0 Other;
                                                                                                                      0.4%; Scc.
.v 100.0%; Pred. No. 1...
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                                                                                                                                                                                                                    559 CTTGCCATTATGGGAAATCA 578
                                                                                                                                                                                                                                         CTTGCCATTATGGGAAATCA 20
                                                                                                                                                                                                                                                                                                                                                              BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 cytostatic; gene therapy; ds.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         18-SEP-2003; 2003US-00667022
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 31-MAY-2002; 2002US-00160786
                                                                                                                                                                                                                                                                                                                                                              ADL34673 standard; DNA; 20
                                                                                                                                                                                                                                                                                                                                                                                                                                              (first entry)
                                                                                                                                 Query Match 0.4
Best Local Similarity 100.
Matches 20; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Freier SM, Dobie KW;
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DOBIE K W.
                                                            for gene therapy.
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This invention describes a novel antisense oligonucleotides which specifically hybridises to and inhibits the expression of human phobionositide-Jakinase, regulatory subunit 4, p150. The oligonucleotides comprises at least one modified internucleoside linkage, preferably a phosphorothioate linkage. It also comprises at least one modified sugar molety, preferably a 2'-O-methoxyethyl sugar molety. The antisense oligonucleotide further comprises at least one modified nucleobase, preferably a 5-methylcytosine. The antisense oligonucleotide can be used in diagnostics and as research reagents and kits. It can also be used prophylactically, e.g. to prevent or delay infection, inflammation or tumour formation. It can also be used to treat a disease or condition associated with phosphoinositide-3-kinase, regulatory contounit 4, p150, e.g. hyperproliferative disorder, preferably cancer, chediak-Higashi syndrome or a metabolic disorder. The products of the invention are immunomodulators with cytostatic activity and can be used
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                                                                                                                                                                                                                                                                                                                                                                          antisense; inhibitor; hybridisation; human; phosphoinositide-3-kinase; regulatory subunit 4; p150; internucleoside linkage; phosphorothioate linkage; 2'-O-methoxyethyl sugar; 5-methylcytosine; infection; inflammation; tumour formation; hyperproliferative disorder; cancer; Chedlak-Higashi syndrome; metabolic disorder; immunomodulator; cytostatic; gene therapy; ds.
                                                           Gape
                                                                                                                                                                                                                                                                                                                                              Phosphoinositide-3-kinase regulatory subunit 4 p150 fragment 124645.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               New antisense compound targeted to a nucleic acid molecule encoding
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treating cancer, Chediak-Higashi syndrome or a metabolic disorder.
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                     Length 20;
                                                         Indele
                     DB 1; Le
1.4e+02;
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                   0.4%; Score 20; DB 100.0%; Pred. No. 1.4 tive 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Example 15; SEQ ID NO 131; 60pp; English.
                                                                                              2587 GGTGCCGTGGGATTTATCAC 2606
                                                                                                                    1 GGTGCCGTGGGATTTATCAC 20
                                                                                                                                                                                                                               ADL34685 standard; DNA; 20 BP
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Query Match
Best Local Similarity lou.
                                                                                                                                                                                                                                                                                                      17-JUN-2004 (first entry)
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Query Match 0.4%; Score 20; DB 1; Length 20; Best Local Similarity 100.0%; Pred. No. 1.4e+02; Matches 20; Conservative 0; Mismatches 0; Indels

gene therapy

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This invention describes a novel antisense oligomucleotides which specifically hybridises to and inhibits the expression of human phosphoinositide-3-kinase, regulatory subunit 4, p150. The phosphoinositide acmprises at least one modified internucleoside linkage, oligomucleotides comprises at least come cartisense moiety, preferably a 2'-O-methoxyethyl sugar moiety. The antisense oligomucleotide further comprises at least one modified sugar moiety, preferably a 2'-O-methoxyethyl sugar moiety. The nucleobase, preferably a S-methylcytosine. The antisense oligomucleotide can be used in diagnostics and as research reagents and kits. It can also be used prophylactically, e.g. to prevent or delay infection, inflammation or tumour formation. It can also be used to treat a disease or condition associated with phosphoinositide-3-kinase, regulatory condition associated with phosphoinositide-3-kinase, regulatory subunit 4, p150, e.g. hyperproliferative disorder. The products of the invention are immunomodulators with cytostatic activity and can be used
                                                                                                                                                                                                                                                             antisense; inhibitor; hybridisation; human; phosphoinositide-3-kinase; regulatory subunit 4; p150; internucleoside linkage; phosphorothioate linkage; 2'-O-methoxyethyl sugar; 5-methylcytosine; infection; inflammation; tumour formation; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; metabolic disorder; immunomodulator;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         New antisense compound targeted to a nucleic acid molecule encoding phosphoinositide-3-kinase, regulatory subunit 4. p150, useful for treating cancer, Chediak-Higashi syndrome or a metabolic disorder.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0.4%; Score 20; DB 1; Length 20; 100.0%; Pred. No. 1.4e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              /mod_base= OTHER
/note= "phosphorothioate backbone"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 20 BP; 6 A; 3 C; 7 G; 4 T; 0 U; 0 Other;
                                                                                                                                                                                                                                    ISIS antisense oligonucleotide ISIS 206959.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Example 15; SEQ ID NO 13; 60pp; English.
                                                                                                                                                                                                                                                                                                                                                                  cytostatic; gene therapy; ss; primer
                                                                                                                                                                                                                                                                                                                                                                                                                                       Location/Qualifiers
3455 AGATGATGGAAAATGCTGAA 3474
                 ADL34567 standard; DNA; 20 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           18-SEP-2003; 2003US-00667022
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                                                                                                                                                                                                   (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (FREI/) FREIER S M. (DOBI/) DOBIE K W.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      gene therapy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US2004063657-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                 Key
modified_base
                                                                                                                                                                                                       17-JUN-2004
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                                                                                                                                                                                                                                                                                                                                                                                                        Synthetic
                                                                                                                                                                  ADL34567;
                                                                                          RESULT 276
                                                                                                                ADL34567/
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This invention describes a novel antisense oligonuclectides which specifically hybridises to and inhibits the expression of human specifically hybridises to and inhibits the expression of human configurations titled-3-kinase, regulatory subunit 4, p150. The coligonuclectides comprises at least one modified internucleoside linkage, preferably a phosphorothioate linkage. It also comprises at least one modified sugar moiety, preferably a 2'-O-methoxyethyl sugar moiety. The confises of ligonucleotide further comprises at least one modified uncleobase, preferably a S-methylcytosine. The antisense oligonucleotide con bused in diagnostics and as research reagents and kits. It can also be used prophylactically, e.g. to prevent or dalay infection, condition associated with phosphoinostide-3-kinase, regulatory condition associated with phosphoinostide-3-kinase, regulatory condition, associated with phosphoinostide-3-kinase, regulatory condition, are immunomodulators with cytostatic activity and can be used invented the condition are immunomodulators with cytostatic activity and can be used
                                                                                                                                                                                                                                                                                             antisense; inhibitor; hybridisation; human; phosphoinositide-3-kinase; regulatory subunit 4; p150; internucleoside linkage; phosphorothioate linkage; 2'-O-methoxyethyl sugar; 5-methylcytosine; infection; inflammation; tumour formation; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; metabolic disorder; immunomodulator;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       New antisense compound targeted to a nucleic acid molecule encoding phosphoinositide 3-kinase, regulatory subunit 4, p150, useful for treating cancer, Chedlak-Higashi syndrome or a metabolic disorder.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        /note= "phosphorothioate backbone"
                                                                                                                                                                                                                                                                   ISIS antisense oligonucleotide ISIS 206966.
0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                               cytostatic; gene therapy; ss; primer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Location/Qualifiers
                                   377 AGCCCATCTCCTGTCTATGA 396
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       /mod_base= OTHER
                                                          20 AGCCCATCTCCTGTCTATGA 1
                                                                                                                                                              BP.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1. .2.
/*tag= a
                                                                                                                                                              ADL34574 standard; DNA; 20
                                                                                                                                                                                                                                      (first entry)
   20; Conservative
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modified base
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                                                                                                                                                                                                                                                                                                                                                                                                                                       Synthetic.
                                                                                                                                                                                                    ADL34574;
       Matches
                                                                                                                              RESULT 277
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0.4%; Score 20; DB 1; Length 20;

Query Match

Query Match Best Local Similarity

Length 20;

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                                                                                                                                                                                                                                                                                                                                antisense; inhibitor; hybridisation; human; phosphoinositide-3-kinase; regulatory subunit 4; p150; internucleoside linkage; phosphorothicate linkage; 2'-O-methoxyethyl sugar; 5-methylcytosine; infection; inflammation; tumour formation; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; metabolic disorder; immunomodulator; cytostatic; gene therapy; ss; primer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         or condition associated with phosphoinositide-3-kinase, regulatory subunit 4, p150, e.g. hyperproliferative disorder, preferably cancer, Chedlak-Higashi syndrome or a metabolic disorder. The products of the invention are immunomodulators with cytostatic activity and can be used
                                   Gaps
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                               0; Indels
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              Pred. No. 1.4e+02;
                                                                                                                                                                                                                                                                                                   ISIS antisense oligonucleotide ISIS 206976.
                               Mismatches
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                                                                   745
100.0%; Pre
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                                                                                       GGTTTTGCAATTCAGGATC
                                                                 726 GGTTTTTGCAATTCAGGATC
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                                                                                                                                                                                              ADL34584 standard; DNA; 20
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*tag= a
                                                                                                                                                                                                                                                                 (first entry)
           Best Local Similarity 100. Matches 20; Conservative
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                                                                                                                                                                                                                              ADL34584;
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Sequence 20 BP; 6 A; 3 C; 7 G; 4 T; 0 U; 0 Other;

for gene therapy.

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This invention describes a novel antisense oligonucleotides which specifically hybridises to and inhibits the expression of human phosphonositided-3-kinase, regulatory subunit 4, p150. The phosphonositided-3-kinase, regulatory subunit 4, p150. The coligonucleotides comprises at least one modified internucleoside linkage, oligonucleotides comprises at least one modified sugar molety, preferably a 2'-O-methoxyethyl sugar molety. The antisense oligonucleotide further comprises at least one modified nucleobase, preferably a 5-methyloytosine. The antisense oligonucleotide colleobase, preferably a 5-methyloytosine. The antisense oligonucleotide can be used indiagnostics and as research reagents and kits. It can also be used prophylactically, e.g. to prevent or delay infection, inflammation or tumour formation. It can also be used to treat a disease or condition associated with phosphoinositide-3-kinase, regulatory subunit 4, p150, e.g. hyperprofiferative disorder, preferably cancer, chediak-Higashi syndrome or a metabolic disorder. The products of the invention are immunomodulators with cytostatic activity and can be used
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                                                                                                                                                                                                                                                                                                                                                  antisense; inhibitor; hybridisation; human; phosphoinositide-3-kinase; regulatory subunit 4; pl50; internucleoside linkage; phosphorothioare linkage; 2'-0-methoxyethyl sugar; 5-methylcytosine; infection; inflammation; tumour formation; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; metabolic disorder; immunomodulator;
                                    Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    New antisense compound targeted to a nucleic acid molecule encoding phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for treating cancer, Chediak-Higashi syndrome or a metabolic disorder.
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0.4%; Score 20; DB 1; Le. 100.0%; Pred. No. 1.4e+02; iive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 20 BP; 8 A; 4 C; 4 G; 4 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                   ISIS antisense oligonucleotide ISIS 207032.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Example 15; SEQ ID NO 78; 60pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                   cytostatic; gene therapy; ss; primer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Location/Qualifiers
                                                                           1215 AGATCCTTCAACTCCGCTTG 1234
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 /mod_base= OTHER
                                                                                                            AGATCCTTCAACTCCGCTTG 1
                                                                                                                                                                                                         ВР
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                                                                                                                                                                                                       ADL34632 standard; DNA; 20
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/*tag= a
                                        Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WPI; 2004-282523/26.
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                   Best Local Similarity
Matches 20, Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (DOBI/) DOBIE K W.
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modified_base
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Synthetic.
                                                                                                              20
                                                                                                                                                                                                                                            ADL34632;
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Query Match
                                                                                                                                                                    RESULT 279
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This invention describes a novel antisense oligonucleotides which specifically hybridises to and inhibits the expression of human specifically hybridises to and inhibits the expression of human consistide-3-kinase, regulatory subunit 4, piso. The coligonucleotides comprises at least one modified internucleoside linkage. It also comprises at least one modified sugar molety, preferably a 5-methyloxies at least one modified antisense oligonucleotide further comprises at least one modified nucleobase, preferably a 5-methyloxycosine. The antisense oligonucleotide can be used in diagnostics and as research reagents and kits. It can also be used prophylactically, e.g. to prevent or delay infection, inflammation or tumour formation. It can also be used to treat a disease or condition associated with phosphoinositide 3-kinase, regulatory chediak-Higashi syndrome or a metabolic disorder. The products of the chediak-Higashi syndrome or a metabolic disorder. The products of the invention are immunomodulators with cytostatic activity and can be used
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                                                                                                                                                                                                                                                                                                                                                                 antisense; inhibitor; hybridisation; human; phosphoinositide-3-kinase; regulatory subunit 4; p150; internucleoside linkage; phosphorothicate linkage; 2'-0-methoxyethyl sugar; 5-methylcytosine; infection; inflammation; tumour formation; hyperproliferative disorder; cancer; Chediak Higashi syndrome; metabolic disorder; immunomodulator; cytostatic; gene therapy; ds.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        New antisense compound targeted to a nucleic acid molecule encoding phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for treating cancer, Chediak-Higashi syndrome or a metabolic disorder.
                                           Gaps
                                                                                                                                                                                                                                                                                                                                 Phosphoinositide-3-kinase regulatory subunit 4 p150 fragment 124632.
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0.4%; Score 20; DB 1; Length 20;
100.0%; Pred. No. 1.4e+02;
ative 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Example 15; SEQ ID NO 118; 60pp; English.
                                                                                  4292 ICCATGGTATCTACTGTAGT 4311
                                                                                                        20 TCCATGGTATCTACTGTAGT 1
                                                                                                                                                                                                                        ADL34672 standard; DNA; 20 BP
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                                                                                                                                                                                                                                                                                                        (first entry)
                                               Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Freier SM, Dobie KW;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (FREI/) FREIER S M. (DOBI/) DOBIE K W.
    Query Match
Best Local Similarity
Matches 20; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      for gene therapy
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Gaps

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0.4%; Score 20; DB 1; Length 20; 100.0%; Pred. No. 1.4e+02; trive 0; Mismatches 0; Indels

20; Conservative

Query Match Best Local Similarity Matches 20; Conserv

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This invention describes a novel antisense oligonucleotides which specifically hybridises to and inhibits the expression of human specifically hybridises to and inhibits the expression of human phosphoinositide-3-kinase, regulatory subunit 4, p150. The comprises at least one coligonucleotides comprises at least one coligonucleotides moiety, preferably a 2'-O-methoxyethyl sugar moiety. The modified sugar moiety, preferably a 2'-O-methoxyethyl sugar moiety. The consistence oligonucleotide further comprises at least one modified nucleobase, preferably a 5-methylcytosine. The antisense oligonucleotide can be used in diagnostics and as research reagents and kits. It can also be used prophylactically, e.g. to prevent or delay infection, condition associated with phosphoinositide-3-kinase, regulatory or condition associated with phosphoinositide-3-kinase, regulatory conditions associated with phosphoinositide-3-kinase, regulatory condition are immunomodulators with cytostatic activity and can be used invented the condition are immunomodulators with cytostatic activity and can be used
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                                                                                                                                                                                                                              Phosphoinositide-3-kinase regulatory subunit 4 p150 fragment 124639.
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100.0%; Pred. No. 1.4e+02;
tive 0; Mismatches 0; Indels
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BP
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                                                                                                                            ADL34679 standard; DNA; 20
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les 20, Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WPI; 2004-282523/26.
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                                                                                                                                                                                                                                                                                                                                                                                                                                         US2004063657-A1.
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                                                                                                                                                                    ADL34679;
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                                                                                             RESULT 281
                                                                                                                 ADL34679
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antisense; inhibitor; hybridisation; human; phosphoinositide-3-kinase; regulatory subunit 4; p150; internucleoside linkage; Inkage; phosphorothioate linkage; 2'-O-methoxyethyl sugar; 5-methylcytosine; infection; inflammation; tumour formation; hyperproliferative disorder cancer; Chediak-Higashi syndrome; metabolic disorder; immunomodulator;

cytostatic; gene therapy; ds

JS2004063657-A1. Ното варіепв

01-APR-2004.

18-SEP-2003; 2003US-00667022. 31-MAY-2002; 2002US-00160786

Freier SM, Dobie KW; WPI; 2004-282523/26

(FREI/) FREIER S M. (DOBI/) DOBIE K W.

Phosphoinositide-3-kinase regulatory subunit 4 p150 fragment 124664.

(first entry)

17-JUN-2004

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This invention describes a novel antisense oligonucleotides which specifically hybridises to and inhibits the expression of human phosphoinositide-3-kinase, regulatory subunit 4, p150. The oligonucleotides comprises at least on endified internucleoside linkage, preferably a phosphorochioate linkage. It also comprises at least one modified sugar moiety, preferably a 2'-0-methoxyethyl sugar moiety. The antisense oligonucleotide further comprises at least one modified nucleobase, preferably a 5-methylcytosine. The antisense oligonucleotide can be used in diagnostics and as research reagants and kits. It can also be used prophylactically, e.g. to prevent or delay infection,
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                                                                                                                                                                                                                                                                                                                                                                                                      regulatory subunit 4; pi50; internucleoside linkage;
phosphorothioate linkage; 2'-O-methoxyethyl sugar; 5-methylcytosine;
infection; inflammation; tumour formation; hyperproliferative disorder;
cancer; Chediak-Higashi syndrome; metabolic disorder; immunomodulator;
                                                                                                                                                                                                                                                                                                                                                                          antisense; inhibitor; hybridisation; human; phosphoinositide-3-kinase;
                                                                                                                                                                                                                                                                                            Phosphoinositide-3-kinase regulatory subunit 4 p150 fragment 124649.
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Pred. No. 1.4e+02;
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100.0%; Pred. No. ...
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  cytostatic; gene therapy; ds.
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                                                                      ADL34688 standard; DNA; 20
                                                                                                                                                                                                                  (first entry)
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Best Local Similarity 100.
Matches 20; Conservative
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                                                                                                                                                ADL34688;
RESULT 282
                           ADLIA 688
XX XX ADLIA AD
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New antisense compound targeted to a nucleic acid molecule encoding phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for treating cancer, Chediak-Higashi syndrome or a metabolic disorder.

Example 15; SEQ ID NO 142; 60pp; English.

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This invention describes a novel antisense oligonucleotides which specifically hybridises to and inhibits the expression of human specifically hybridises to and inhibits the expression of human oligonucleotides - regulatory subunit 4, pl50. The oligonucleotides comprises at least one modified internucleoside linkage, preferably a phosphorothicate linkage. It also comprises at least one modified antisense oligonucleotide further comprises at least one modified antisense oligonucleotide further comprises at least one modified nucleobase, preferably a 5-methylcytosine. The antisense oligonucleotide can be used in diagnostics and as research reagents and kits. It can also be used prophylactically, e.g. to prevent or delay infection, inflammation or tumour formation. It can also be used to treat a disease or condition associated with phosphoinositide-1-kinase, regulatory subunit 4, pl50, e.g. hyperprolifezative disorder, preferably cancer, checking the products of the contribution of the contribu
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   invention are immunomodulators with cytostatic activity and can be used
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Matches
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Gaps

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Phosphoinositide-3-kinase regulatory subunit 4 p150 fragment 124670.
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3583 TCACTTTTTGCAACATGTTC 3602 reactritiscaacardic 20

ADL34696 standard; DNA; 20 BP

RESULT 283

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ADL34696

ADL34696 ID ADL3 XX AC ADL3

gene therapy; ss; primer.

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cytostatic;
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XX ADL3
AC ADL3
XX AUL3
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XX IT-J
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                This invention describes a novel antisense oligonucleotides which specifically hybridises to and inhibits the expression of human phosphoinositide 3-kinase, regulatory subunit 4, p150. The phosphoinositide 3-kinase, regulatory subunit 4, p150. The oligonucleotides comprises at least one modified internucleoside linkage, or preferably a phosphorothicate linkage. It also comprises at least one modified sugar moiety, preferably a 2'-O-methoxyethyl sugar moiety. The antisense oligonucleotide further comprises at least one modified nucleobase, preferably a 5-methylothies at least one modified nucleobase, preferably a 5-methylothies at least one modified on the last one seed not a seed in diagnostics and as research reagents and kits. It can also be used prophylactically, e.g. to prevent or delay infection, inflammation or tumour formation. It can also be used to treat a disease or condition associated with phosphoinositide-1-kinase, regulatory subunit 4, p150, e.g. hyperproliferative disorder, preferably cancer, chediak-Higashi syndrome or a metabolic disorder. The products of the invention are immunomodulators with cytostatic activity and can be used
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antisense; inhibitor; hybridisation; human; phosphoinositide-3-kinase; regulatory subunit 4; p150; internucleoside linkage; phosphorothicate linkage; 2'-O-methoxyethyl sugar; 5-methylcytosine; infection; inflammation; tumour formation; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; metabolic disorder; immunomodulator; cytostatic; gene therapy; ds.
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Best Local Similarity 100.
Matches 20; Conservative
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                                                                                                                                                                                                                                                                                     Homo sapiens.
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This invention describes a novel antisense oligonucleotides which specifically hybridises to and inhibits the expression of human plosphoinositide-3-kinase, regulatory subunit 4, p150. The phosphoinositide-3-kinase, regulatory subunit 4, p150. The comprises at least one modified internucleoside linkage, or set seemed to a modified internucleoside linkage, preferably a phosphorothicate linkage. It also comprises at least one modified sugar modety, preferably a 2'-O-methoxyethyl sugar modety. The cutisense oligonucleotide further comprises at least one modified nucleobase, preferably a 5-methoxyethyl sugar modety. The nucleobase, preferably a 5-methoxyethyl sugar modified can be used in diagnostics and as research reagents and kits. It can also complete and prophylactically, e.g. to prevent or delay infection, inflammation or tumour formation. It can also be used to treat a disease or condition associated with phosphoinositide-3-kinase, regulatory can sendiak Higashi syndrome or a metabolic disorder. The products of the invention are immunomodulators with cytostatic activity and can be used
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100.0%; Pred. No. 1.4e+02;
tive 0; Mismatches 0; Indels
                                                                                                                                                                                            /note= "phosphorothioate backbone"
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                                                         Location/Qualifiers
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les 20; Conservative
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                                                                                                 modified base
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Synthetic
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infection; inflammation; tumour formation; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; metabolic disorder; immunomodulator; cytostatic; gene therapy; ss; primer.
                                                                                         Location/Qualifiers
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/*tag= a
/mod_base= OTHER
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ID ADL34625 standard; DNA; 20
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                                                                                                                                                                                                                                                                                                                    (DOBI/) DOBIE K W.
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                                                                                         Key
modified_base
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                                                             Synthetic.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               This invention describes a novel antisense oligonucleotides which specifically hybridiess to and inhibits the expression of human phosphoinositide-3-kinase, regulatory subunit 4, p150. The oligonucleotide comprises at least one modified internucleoside linkage, preferably a phosphorothioate linkage. It also comprises at least one modified sugar molety, preferably a 2-O-methoxyethyl sugar molety. The antisense oligonucleotide further comprises at least one modified nucleobase, preferably a 5-methylcytosine. The antisense oligonucleotide further comprises at least one modified nucleobase, preferably a 5-methylcytosine. The antisense oligonucleotide further comprises at least one modified nucleobase, preferably a 5-methylcytosine. The antisense oligonucleotide further comprises at least one modified can be used in diagnostically, e.g. to prevent or delay infection, inflammation or tumour formation. It can also be used to treat a disease or condition associated with phosphoinositide-3-kinase, regulatory chediak-Higashi syndrome or a metabolic disorder, preferably cancer, chediak-Higashi syndrome or a metabolic disorder. The products of the invention are immunomodulators with cytostatic activity and can be used
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Chediak-Higashi syndrome; metabolic disorder; immunomodulator;
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phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for
treating cancer, Chediak-Higashi syndrome or a metabolic disorder.
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                                                                                                                                   /note= "phosphorothioate backbone"
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               cytostatic; gene therapy; ss; primer
                                                                        Location/Qualifiers
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                                                                                                                   base= OTHER
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XX
AC ADL34604;
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AC ADL34604;
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DT 17-JUN-2004 (first entry)
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DE ISIS antisense oligonucleotid
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W antisense; inhibitor; hybridi
XW antisense; inhibitor; hybridi
XW regulatory subunit 4; p150; i
XW phosphorothioate linkage; 2'-
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/*tag= a
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                                                                                                                                                                                                                                                                                   (FREI/) FREIER S M. (DOBI/) DOBIE K W.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  for gene therapy
                                                                                                                                                              JS2004063657-A1
                                                                        Key
modified_base
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                                           Synthetic
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This invention describes a novel antisense oligonucleotides which specifically hybridises to and inhibits the expression of human phosphoinositide-3-thrase, regulatory subunit 4, pl50. The oligonucleotides comprises at least one modified internucleoside linkage, preferably a phosphorothioate linkage. It also comprises at least one modified sugar molety, preferably a 2'-O-methoxyethyl sugar molety. The antisense oligonucleotide further comprises at least one modified nucleobase, preferably a 5-methylcytosine. The antisense oligonucleotide further comprises at least one modified nucleobase, preferably a 5-methylcytosine. The antisense oligonucleotide can be used in diagnostics and as research reagents and kits. It can also be used prophylactically, e.g. to prevent or delay infection, inflammation or tumour formation. It can also be used to treat a disease or condition associated with phosphoinositide-3-kinase, regulatory condition associated with phosphoinositide-3-kinase, regulatory chediak-Higashi. Syndrome or a metabolic disorder. The products of the invention are immunomodulators with cytostatic activity and can be used
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for treating cancer, Chediak-Higashi syndrome or a metabolic disorder.
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100.0%; Pred. No. 1.4e+02;
rative 0; Mismatches 0; Indels
/note= "phosphorothioate backbone"
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This invention describes a novel antisense oligonucleotides which specifically hybridises to and inhibits the expression of human phosphoinositide 3-kinase, regulatory subunit 4, p150. The phosphoinositide 3-kinase, regulatory subunit 4, p150. The oligonucleotides comprises at least one modified internucleoside linkage, or preferably a phosphorothioate linkage. It also comprises at least one modified sugar moiety, preferably a 2-O-methoxyethyl sugar modety. The antisense oligonucleotide further comprises at least one modified nucleobase, preferably a S-methylcytosine. The antisense oligonucleotide can be used prophylactically, e.g. to prevent or delay infection, inflammation or tumour formation. It can also be used to treat a disease or condition associated with phosphoinositide-1-kinase, regulatory subunit 4, p150, e.g. hyperproliferative disorder, preferably cancer, chediak-Higashi syndrome or a metabolic disorder. The products of the invention are immunomodulators with cytostatic activity and can be used
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phosphorothioate linkage; 2'-O-methoxyethyl sugar; 5-methylcytosine; infection; inflammation; tumour formation; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; metabolic disorder; immunomodulator; cytostatic; gene therapy; 88; primer.
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                                                                                                                                             1. .20
/*tag= a
/mod_base= OTHER
/note= "phosphorothioate backbone"
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                                                                                                                            Location/Qualifiers
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Best Local Similarity
Matches 20; Conserv
                                                                                                                                                                                                                                                                                                                                                                                (FREI/) FREIER S M. (DOBI/) DOBIE K W.
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                                                                                                                                Key
modified_base
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                                                                                             Synthetic
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This invention describes a novel antisense oligonucleotides which specifically hybridises to and inhibits the expression of human phosphoinositide-3-kinase, regulatory subunit 4, p150. The oligonucleotides comprises at least one modified internucleoside linkage, preferably a phosphorothioate linkage. It also comprises at least one modified sugar molety, preferably a 2'-0-methoxyethyl sugar molety. The antisense oligonucleotide further comprises at least one modified nucleobase, preferably a 5-methylytosine. The antisense oligonucleotide can be used in diagnostics and as research reagents and kits. It can also be used prophylactically, e.g. to prevent or delay infection, inflammation or tumour formation. It can also be used to treat a disease or condition associated with phosphoinositide-3-kinase, regulatory subunit 4, p150, e.g. hyperproliferative disorder, preferably cancer,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        subunit 4, p150, e.g. hyperproliferative disorder, preferably cancer, chediak-Higashi syndrome or a metabolic disorder. The products of the invention are immunomodulators with cytostatic activity and can be used
regulatory subunit 4; p150; internucleoside linkage; phosphorothioate linkage; 2'-O-methoxyethyl sugar; 5-methylcytosine; infection; inflammation; tumour formation; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; metabolic disorder; immunomodulator; cytostatic; gene therapy; ss; primer.
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.00.0%; Pred. No. 1.4e+02;
.ve 0; Mismatches 0;
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                                                                                                                                        Location/Qualifiers
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/*tag=
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                                                                                                                                             Key
modified_base
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                                                                                                            Synthetic.
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This invention describes a novel antisense oligonucleotides which specifically hybridises to and inhibits the expression of human phosphoinositide-3-kinase, regulatory subunit 4, p150. The phosphoinositide-3-kinase at least one modified internucleoside linkage, preferably a phosphorothioate linkage. It also comprises at least one moiety. The antisense oligonucleotide further comprises at least one moiety. The antisense oligonucleotide further comprises at least one moiety. The antisense oligonucleotide further comprises at least one moiety. The usual section in diagnosetics and as research reagents and kits. It can also can be used prophylactically, e.g. to prevent or delay infection, inflammation or tumour formation. It can also be used to treat a disease or condition associated with phosphoinositide-3-kinase, regulatory chediak-Higashi syndrome or a metabolic disorder, preferably cancer, chediak-Higashi syndrome or a metabolic disorder. The products of the invention are immunomodulators with cytostatic activity and can be used
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antisense; inhibitor; hybridisation; human; phosphoinositide-3-kinase; regulatory subunit 4; p150; internucleoside linkage; phosphorchinosute linkage; 2'-O-methoxyethyl sugar; 5-methylcytosine; infection; inflammation; tumour formation; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; metabolic disorder; immunomodulator; cytostatic; gene therapy; ds.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Phosphoinositide-3-kinase regulatory subunit 4 p150 fragment 124630
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for treating cancer, Chediak-Higashi syndrome or a metabolic disorder.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 20 BP; 5 A; 7 C; 2 G; 6 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Example 15; SEQ ID NO 99; 60pp; English
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                                                                                                                                                                                                                                                                                                                                                                                                                     Freier SM, Dobie KW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                            WPI; 2004-282523/26.
                                                                                                                                                                                                                                                                                                                                                       (FREI/) FREIER S M. (DOBI/) DOBIE K W.
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nes 20; Conserv
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                                                                                                                                                 Homo sapiens.
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This invention describes a novel antisense oligonucleotides which specifically hybridises to and inhibits the expression of human phosphoinositide-1-kinase, regulatory subunit 4, p150. The coligonucleotides comprises at least one modified internucleoside linkage, preferably a phosphorothioate linkage. It also comprises at least one modified augar molety, preferably a 2'-O-methoxyethyl sugar molety. The antisense oligonucleotide further comprises at least one modified nucleobase, preferably a 5-methylcytosine. The antisense oligonucleotide can be used in diagnostics and as research reagents and kits. It can also be used prophylactically, e.g. to prevent or delay infection, inflammation or tumour formation. It can also be used to treat a disease or condition associated with phosphoinositide-3-kinase, regulatory subunit 4, p150, e.g. hyperproliferative disorder, preferably cancer, chediak-Higashi syndrome or a metabolic disorder. The products of the invention are immunomodulators with cytostatic activity and can be used
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                                                                                                                                                                                                                                                                                                                                                                                       phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for treating cancer, Chediak-Higashi syndrome or a metabolic disorder.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                  Example 15; SEQ ID NO 116; 60pp; English.
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                                                                                                                                                    18-SEP-2003; 2003US-00667022.
                                                                                                                                                                                          31-MAY-2002; 2002US-00160786.
cytostatic; gene therapy; ds.
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                                                                                                                                                                                                                                                                                          Dobie KW;
                                                                                                                                                                                                                                                                                                                            WPI; 2004-282523/26.
                                                                                                                                                                                                                                 (FREI/) FREIER S M.
                                                                                                                                                                                                                                                     (DOBI/) DOBIE K W.
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                                                                                                                 01-APR-2004
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31-MAY-2002; 2002US-00160786
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    셤
                                                                                                                                                                                                                                                                                                                                                                                  This invention describes a novel antisense oligonucleotides which specifically hybridises to and inhibits the expression of human phosphoinositide. Stimase, regulatory subunit 4, p150. The phosphoinositide of this in the responsibility of phosphoinositide at least one modified internucleoside linkage, oligonucleotides comprises at least one modified internucleoside linkage, preferably a 2-0-methoxyethyl sugar moiety. The antisense oligonucleotide further comprises at least one moiety. The nucleobase, preferably a 5-methylcytosine. The antisense oligonucleotide can be used in diagnostics and as research reagents and kits. It can also be used prophylactically, e.g. to prevent or delay infection, infammation or tumour formation. It can also be used to treat a disease or condition associated with phosphoinositide-1-xinaes, regulatory subunit 4, p150, e.g. hyperproliferative disorder, preferably cancer, chediak-Higashi syndrome or a metabolic disorder. The products of the invention are immunomodulators with cytostatic activity and can be used
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                                                                                                                                                                                                                                                                                                                                                        Example 15; SEQ ID NO 124; 60pp; English.
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cytostatic; gene therapy; ds.
                                                                  18-SEP-2003; 2003US-00667022.
                                                                                                        31-MAY-2002; 2002US-00160786.
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Best Local Similarity 100.
Matches 20; Conservative
                                                                                                                                                                                                      Freier SM, Dobie KW;
                                                                                                                                                                                                                                          WPI; 2004-282523/26
                                                                                                                                              (FREI/) FREIER S M. (DOBI/) DOBIE K W.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      for gene therapy
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                                01-APR-2004.
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This invention describes a novel antisense oligonucleotides which specifically hybridises to and inhibits the expression of human phosphoinositide-3-kinase, regulatory subunit 4, p150. The phosphoinositide-3-kinase, regulatory subunit 4, p150. The comprises at least one modified internucleoside linkage, configuration anoiety, preferably a 2'-O-methoxyethyl sugar modety. The modified sugar modety, preferably a 2'-O-methoxyethyl sugar modety. The modified sugar modety, preferably a 2'-O-methoxyethyl sugar modety. The nucleobase, preferably a 5-methylycrosine. The antisense oligonucleotide uncleobase, preferably a 5-methylycrosine. The antisense oligonucleotide can be used in diagnostics and as research reagents and kits. It can also be used prophylactically, e.g. to prevent or delay infection, inflammation or tumour formation. It can also be used to treat a disease or condition associated with phosphoinositide-3-kinase, regulatory condition associated with phosphoinositide-3-kinase, regulatory can be used inwention are immunomodulators with cytostatic activity and can be used invention are immunomodulators with cytostatic activity and can be used
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                                                                                                                                                                                                                                   New antisense compound targeted to a nucleic acid molecule encoding phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for treating cancer, Chediak-Higashi syndrome or a metabolic disorder.
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100.0%; Pred. No. 1.4e+02;
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nes 20; Conservative
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                                                                                                            Freier SM, Dobie KW;
                                                                                                                                                                        WPI; 2004-282523/26.
(FREI/) FREIER S M. (DOBI/) DOBIE K W.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          for gene therapy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US2004063657-A1
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modified_base
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    01-APR-2004.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADL34565;
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This invention describes a novel antisense oligonucleotides which specifically hybridises to and inhibits the expression of human phosphoinositide-3-kinase, regulatory subunit 4, p150. The coligonucleotides comprises at least tois modified internucleoside linkage, preferably a phosphorothioate linkage. It also comprises at least one modified sugar molety, preferably a 2'-O-methoxyethyl sugar molety. The antisense oligonucleotide further comprises at least one modified sugar molety, preferably a 5-methylcytosine. The antisense oligonucleotide antisense oligonucleotide can be used in diagnostics and as research reagents and kits. It can also be used prophylactically, e.g. to prevent or delay infection.

Can be used prophylactically, e.g. to prevent or delay infection, can be used with phosphoinositide-3-kinsse, regulatory subunit 4, p150, e.g. hyperproliferative disorder, preferably cancer, chediak-Higashi syndrome or a metabolic disorder. The products of the invention are immunomodulators with cytostatic activity and can be used
                                                                                                                                                                                                            New antisense compound targeted to a nucleic acid molecule encodir
phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for
treating cancer, Chediak-Higashi syndrome or a metabolic disorder.
                                                                                                                                                                                                                                                                                         Example 15; SEQ ID NO 24; 60pp; English.
  18-SEP-2003; 2003US-00667022.
                                      31-MAY-2002; 2002US-00160786.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0.48;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Conservative
                                                                                                                                     Dobie KW;
                                                                                                                                                                      WPI; 2004-282523/26.
                                                                        (FREI/) FREIER S M. (DOBI/) DOBIE K W.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Local Similarity
les 20; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               for gene therapy.
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                                                                                                                                   Freier SM,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADL34580;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RESULT 296
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ð
                                                                                                                                                                                                                                                                                                   This invention describes a novel antisense oligonucleotides which specifically hybridises to and inhibits the expression of human phosphoinositide-3-kinase, regulatory subunit 4, p150. The oligonucleotides comprises at least one modified internucleoside linkage, preferably a phosphorothioate linkage. It also comprises at least one modified sugar molety, preferably a 2-0-methoxyethyl sugar molety. The antisense oligonucleotide further comprises at least one modified nucleobase, preferably a 5-methyloytosine. The antisense oligonucleotide can be used in diagnostics and as research reagents and kits. It can also be used prophylactically, e.g. to prevent or delay infection.

Inflammation or tumour formation. It can also be used to treat a disease or condition associated with phosphoinositide-3-kinase, regulatory cancer, chediak-Higashi syndrome or a metabolic disorder, preferably cancer, chediak-Higashi syndrome or a metabolic disorder. The products of the invention are immunomodulators with cytostatic activity and can be used
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gape
                                                                                                                                                                                        New antisense compound targeted to a nucleic acid molecule encoding phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for treating cancer, Chediak-Higashi syndrome or a metabolic disorder.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0.4%; Score 20; DB 1; Length 20; 100.0%; Pred. No. 1.4e+02; ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        O; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 20 BP; 5 A; 8 C; 5 G; 2 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ISIS antisense oligonucleotide ISIS 206970.
                                                                                                                                                                                                                                                                   Example 15; SEQ ID NO 11; 60pp; English.
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/*tag= a
/mod_base= OTHER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 62
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CGTTTGCTGGGGCTGCAGCA 1
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                  31-MAY-2002; 2002US-00160786.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Conservative
                                                                                                               Freier SM, Dobie KW;
                                                                                                                                                   WPI; 2004-282523/26.
                                                      FREIER S M.
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hes 20; Conserv
                                                    (FREI/) FREIER S M (DOBI/) DOBIE K W.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           for gene therapy
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modified_base
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셤 8

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                                                                                                          Gape
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                                                     Length 20;
                                                                                                          0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             /note= "phosphorothioate backbone"
Sequence 20 BP; 6 A; 2 C; 7 G; 5 T; 0 U; 0 Other;
                                               Score 20; DB 1; Le
Pred. No. 1.4e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ISIS antisense oligonucleotide ISIS 206972.
                                                                                                          0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Location/Qualifiers
                                                                                                                                                               914 CCCGTCCATTCTTGAATAAC 933
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1. .20
/*tag= a
/mod_base= OTHER
                                                                                                                                                                                                                 20 ccccrccarrcrrcaaraac 1
                                                                        100.08;
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This invention describes a novel antisense oligonucleotides which specifically hybridises to and inhibits the expression of human phosphoinositide-3-kinase, regulatory subunit 4, p150. The phosphoinositide-3-kinase, regulatory subunit 4, p150. The oligonucleotides comprises at least one modified internucleoside linkage. Conference of the modery, preferably a 2'-0-methoxyethyl sugar molety. The modified sugar molety, preferably a 2'-0-methoxyethyl sugar molety. The modified sugar molety, preferably a 2'-0-methoxyethyl sugar molety. The moleobase, preferably a S-methylyctosine. The antisense oligonucleotide uncleobase, preferably a sresearch reagents and kits. It can also be used prophylactically, e.g. to prevent or delay infection, inflammation or tumour formation. It can also be used to treat a disease or condition associated with phosphoinositide-3-kinase, regulatory can condition associated with phosphoinositide-3-kinase, regulatory can be used is subunit 4, p150, e.g. hyperproliferative disorder. The products of the challed the subunit on are immunomodulators with cytostatic activity and can be used
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     antisense; inhibitor; hybridisation; human; phosphoinositide-3-kinase; regulatory subunit 4; pl50; internucleoside linkage; phosphorchinoare linkage; 2'-O-methoxyethyl sugar; 5-methylcytosine; infection; inflammation; tumour formation; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; metabolic disorder; immunomodulator;
                                                                                                                                                                                                                     New antisense compound targeted to a nucleic acid molecule encoding phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for treating cancer, Chediak-Higashi syndrome or a metabolic disorder.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match

0.4%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.46+02;
Matches 20; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 /note= "phosphorothioate backbone"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 20 BP; 5 A; 6 C; 4 G; 5 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ISIS antisense oligonucleotide ISIS 207042.
                                                                                                                                                                                                                                                                                                     Example 15; SEQ ID NO 26; 60pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             cytostatic; gene therapy; ss; primer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 998 TICGICATGGGGACATCAAG 1017
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/*tag= a
/mod_base= OTHER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    20 TTCGTCATGGGGACATCAAG 1
                18-SEP-2003; 2003US-00667022
                                               31-MAY-2002; 2002US-00160786
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                                                                                                                                                 Freier SM, Dobie KW;
                                                                                                                                                                                    WPI; 2004-282523/26.
                                                                                        (FREI/) FREIER S M. (DOBI/) DOBIE K W.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              for gene therapy
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modified_base
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Gaps

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This invention describes a novel antisense oligonucleotides which specifically hybridises to and inhibits the expression of human specifically hybridises to and inhibits the expression of human compositions titled-3-kinase, regulatory subunit 4, p150. The phosphoinositied-3-kinase, regulatory subunit 4, p150. The phosphoinositied sat least one modified internucleoside linkage. It also comprises at least one modified supar mojety, preferably a 2'-O-methoxyethyl sugar mojety. The modified sugar mojety, preferably a 2'-O-methoxyethyl sugar mojety. The nucleobase, preferably a S-methylycosine. The antisense oligonucleotide undeobase, preferably a seasoarch reagents and kits. It can also be used prophylactically, e.g. to prevent or delay infection, inflammation or tumour formation. It can also be used to treat a disease or condition associated with phosphoinositide-3-kinase, regulatory subunit 4, p150, e.g. hyperproliferative disorder, preferably cancer, chediak-Higashi syndrome or a metabolic disorder. The products of the invention are immunomodulators with cytostatic activity and can be used
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 antisense; inhibitor; hybridisation; human; phosphoinositide-3-kinase; regulatory subunit 4; pl50; internucleoside linkage; phosphorothioate linkage; 2'-0-methoxyethyl sugar; 5-methylcytosine; infection; inflammation; tumour formation; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; metabolic disorder; immunomodulator;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Phosphoinositide-3-kinase regulatory subunit 4 p150 fragment 124595.
                                                                                                                                                                                                                                            New antisense compound targeted to a nucleic acid molecule encoding phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for treating cancer, Chediak-Higashi syndrome or a metabolic disorder.
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                                                                      31-MAY-2002; 2002US-00160786.
                                   18-SEP-2003; 2003US-00667022
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Best Local Similarity 100.
Matches 20; Conservative
                                                                                                                                                                        Freier SM, Dobie KW;
                                                                                                                                                                                                           WPI; 2004-282523/26.
                                                                                                           (FREI/) FREIER S M. (DOBI/) DOBIE K W.
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01-APR-2004
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31-MAY-2002; 2002US-00160786

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RESULT 300
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                                                                                                                                                                    This invention describes a novel antisense oligonuclectides which specifically hybridises to and inhibits the expression of human phosphonositides. Attanse, regulatory subunit 4, p150. The coligonuclectides comprises at least one modified internucleoside linkage, preferably a phosphorothioate linkage. It also comprises at least one modified sugar moiety, preferably a 2.0-methoxyethyl sugar moiety. The antisense oligonucleotide further comprises at least one modified nucleobase, preferably a 5-methylcytosine. The antisense oligonucleotide further comprises at least one modified nucleobase, preferably a 5-methylcytosine. The antisense oligonucleotide can be used in diagnostics and as research reagents and kits. It can also be used prophylactically, e.g. to prevent or delay infection, inflammation or tumour formation. It can also be used to treat a disease condition associated with phosphoinositide-3-kinase, regulatory subunit 4, p150, e.g. hyperproliferative disorder, preferably cancer, chediak Higashi syndrome or a metabolic disorder. The products of the invention are immunomodulators with cytostatic activity and can be used
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                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Phosphoinositide-3-kinase regulatory subunit 4 p150 fragment 124628.
                                                                                               New antisense compound targeted to a nucleic acid molecule encoding phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for treating cancer, Chediak-Higashi syndrome or a metabolic disorder.
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                                                                                                                                                                                                                                                                                                                                                                                         Sequence 20 BP; 4 A; 7 C; 3 G; 6 T; 0 U; 0 Other;
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                                                                                                                                                  Example 15; SEQ ID NO 91; 60pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 377 AGCCCATCTCCTGTCTATGA 396
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AGCCCATCTCCTGTCTATGA 20
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                                                                                                                                                                                                                                                                                                                                                                                                                                           20; Conservative
                                               Freier SM, Dobie KW;
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                                                                         WPI; 2004-282523/26
          (FREI/) FREIER S M. (DOBI/) DOBIE K W.
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                                                                                                                                                                                                                                                                                                                                                                                                                              Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADL34668;
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This invention describes a novel antisense oligonucleotides which specifically hybridises to and inhibits the expression of human phosphoinositided-1*timase, regulatory subunit 4, p150. The coligonucleotides comprises at least one modified internucleoside linkage, coligonucleotides comprises at least to modified anternucleoside linkage. It also comprises at least one modified sugar modety, preferably a 2'-O-methoxyethyl sugar modety. The antisense oligonucleotide further comprises at least one modified nucleobase, preferably a 5-methylcytosine. The antisense oligonucleotide can be used in diagnostics and as research reagents and kits. It can also be used prophylactically, e.g. to prevent or delay infection, inflammation or tumour formation. It can also be used to treat a disease or condition associated with phosphoinositide-3-kinase, regulatory subunit 4, p150, e.g. hyperproliferative disorder, preferably cancer, chediak-Higashi syndrome or a metabolic disorder. The products of the invention are immunomodulators with cytostatic activity and can be used
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New antisense compound targeted to a nucleic acid molecule encoding phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for treating cancer, Chedlak-Higashi syndrome or a metabolic disorder.
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Pred. No. 1.4e+02;
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100.0%; Pred. No. ...
0; Mismatches
                                                                                                                                     Example 15; SEQ ID NO 114; 60pp; English.
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ADL34692
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                                               This invention describes a novel antisense oligonucleotides which specifically hybridises to and inhibits the expression of human phosphoinositide3-Kinase, regulatory subunit 4, p150. The oligonucleotides comprises at least one modified internucleoside linkage, preferably a phosphorothioate linkage. It also comprises at least one modified sugar moiety, preferably a 2-O-methoxyethyl sugar moiety. The antisense oligonucleotide further comprises at least one modified nucleobase, preferably a 5-methylcycosine. The antisense oligonucleotide can be used in diagnostics and as research reagents and kite. It can also be used prophylactically, e.g. to prevent or delay infection, inflammation or tumour formation. It can also be used to treat a disease or condition associated with phosphoinositide-3-kinase, regulatory subunit 4, p150, e.g. hyperprolliferative disorder, preferably cancer, chediak-Higashi syndrome or a metabolic disorder. The products of the invention are immunomodulators with cytostatic activity and can be used
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            antisense; inhibitor; hybridisation; human; phosphoinositide-3-kinase; regulatory subunit 4; plSO; internucleoside linkage; phosphorothioate linkage; 2'-O-methoxysthyl sugar; 5-methylcytosine; infection; inflammation; tumour formation; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; metabolic disorder; immunomodulator;
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treating cancer, Chediak-Higashi syndrome or a metabolic disorder.
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0.4%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 20; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                 Sequence 20 BP; 4 A; 8 C; 3 G; 5 T; 0 U; 0 Other;
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                              Example 15; SEQ ID NO 122; 60pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                 CCTGCCATAGCACAGCTTCT 20
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                                                                                                                                                                                                                                                              for gene therapy
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                        phosphoinositide-3-kinese, constitutions of the phosphoinositide-3-kinese, regulatory subunit 4, pi50. The oligomucleotides comprises at least one modified internucleoside linkage, preferably a phosphorchhoate linkage. It also comprises at least one modified sugar molety, preferably a 2'-0-methoxyethyl sugar molety. The antisense oligomucleotide further comprises at least one modified nucleobase, preferably a 5-methylcytosine. The antisense oligomucleotide can be used in diagnostics and as research reagents and kits. It can also be used prophylactically, e.g. to prevent or delay infection, inflammation or tumour formation. It can also be used to treat a disease or condition associated with phosphoinositide-3-kinase, regulatory subunit 4, pi50, e.g. hyperproliferative disorder, preferably cancer, chedisk-Higashi syndrome or a metabolic disorder. The products of the
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             invention are immunomodulators with cytostatic activity and can be used for gene therapy.
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specifically hybridises to and inhibits the expression of human
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100.0%; Pred. No. 1.40+02;
Live 0; Mismatches 0; Indels
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nes 20; Conservative
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antisense oligonucleotide further comprises at least one modified nucleobase, preferably a 5-methylcytosine. The antisense oligonucleotide can be used in diagnostics and as research reagents and kits. It can also be used prophylactically, e.g. to prevent or delay infection, inflammation or tumour formation. It can also be used to treat a disease or condition associated with phosphoinositide-3-kinase, regulatory subunit 4, p150, e.g. hyperproliferative disorder, preferably cancer, chediak-Higashi syndrome or a metabolic disorder. The products of the invention are immunomodulators with cytostatic activity and can be used
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            antisense; inhibitor; hybridisation; human; phosphoinositide-3-kinase; regulatory subunit 4; p150; internucleoside linkage; phosphorothioate linkage; 2'-O-methoxyethyl sugar; 5-methylcytosine; infection; inflammation; tumour formation; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; metabolic disorder; immunomodulator; cytostatic; gene therapy; ss; primer.
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phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for
treating cancer, Chediak-Higashi syndrome or a metabolic disorder.
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100.0%; Pred. No. 1.4e+02;
ive 0; Mismatches 0; Indels
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/*tag= a
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                                                                                                                                                                                                                                                     Local Similarity
                                                                                                                                                                   for gene therapy.
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modified_base
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modified sugar molety, preferably a 2'-O-methoxyethyl sugar molety. The antisense oligonucleotide further comprises at least one modified antisense oligonucleotide further comprises at least one modified can nucleobase, preferably a 5-methylcytosine. The antisense oligonucleotide can be used in diagnostics and as research reagents and kits. It can also be used prophylactically, e.g. to prevent or delay infection, inflammation or tumour formation. It can also be used to treat a disease or condition associated with phosphoinositide-3-kinase, regulatory chabunit 4, p150, e.g. hyperproliferative disorder, preferably cancer, Chediak-Higashi syndrome or a metabolic disorder. The products of the invention are immunomodulators with cytostatic activity and can be used
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 This invention describes a novel antisense oligonucleotides which specifically hybridises to and inhibits the expression of human phosphoinositide-3-kinase, regulatory subunit 4, p150. The oligonucleotides comprises at least one modified internucleoside linkage,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         antisense; inhibitor; hybridisation; human; phosphoinositide-3-kinase; regulatory subunit 4; p150; internucleoside linkage; phosphorothioate linkage; 2'-O-methoxyethyl sugar; 5-methylcytosine; infection; inflammation; tumour formation; hyperproliferative disorder; cancer; Chedlak-Higashi syndrome; metabolic disorder; immunomodulator; cytostatic; gene therapy; ss; primer.
                                                                                                                                                                                                                                                                                                  Gape
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100.0%; Pred. No. 1.4e+02;
ve 0; Mismatches 0; Indele
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /note= "phosphorothioate backbone"
                                                                                                                                                                                                                        Sequence 20 BP; 6 A; 4 C; 9 G; 1 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ISIS antisense oligonucleotide ISIS 207031.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Example 15; SEQ ID NO 77; 60pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                     92 CGGTCTGCACTTCTCTCCCG 111
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/*tag= a
/mod_base= OTHER
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Matches
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This invention describes a novel antisense oligonucleotides which specifically hybridises to and inhibits the expression of human phosphoinositide-3-kinase, regulatory subunit 4, p150. The state oligonucleotides comprises at least one modified internucleoside linkage, preferably a phosphorothioate linkage. It also comprises at least one modified sugar moiety, preferably a 2'-O-methoxyethyl sugar moiety. The antisense oligonucleotide further comprises at least one mouleobase, preferably a 5-methylytosine. The antisense oligonucleotide can be used in diagnostics and as research reagents and kits. It can also
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preferably a phosphorothioate linkage. It also comprises at least one modified sugar moiety, preferably a 2'-O-methoxyethyl sugar moiety. The antisense oligonucleotide further comprises at least one modified nucleobase, preferably a 5-methylytosine. The antisense oligonucleotide can be used prophylactically a 5-methylytosine. The antisense oligonucleotide can be used prophylactically, e.g. to prevent or delay infection, inflammation or tumour formation. It can also be used to treat a disease or condition associated with phosphoinositide 3-kinase, regulatory checkiak+Higashi syndrome or a metabolic disorder, preferably cancer, chediak-Higashi syndrome or a metabolic disorder. The products of the invention are immunomodulators with cytostatic activity and can be used
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100.0%; Pred. No. 1.4e+02;
ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                      Sequence 20 BP; 6 A; 2 C; 7 G; 5 T; 0 U; 0 Other;
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Best Local Similarity 100.
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                                                                                                                                                                                                                                   for gene therapy
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This invention describes a novel antisense oligonuclectides which specifically hybridises to and inhibits the expression of human phosphoinostitide-3-kinase, regulatory submit 4, p150. The oligonuclectides comprises at least one modified internucleoside linkage, preferably a phosphorothioate linkage. It also comprises at least one modified sugar moiety, preferably a 2-0-methoxyethyl sugar moiety. The antisense oligonucleotide further comprises at least one modified nucleobase, preferably a 5-methylcytosine. The antisense oligonucleotide can be used in diagnostics and as research reagents and kits. It can also be used prophylactically, e.g. to prevent or delay infection, inflammation or tumour formation. It can also be used to treat a disease or condition associated with phosphoinositide-3-kinase, regulatory condition, e.g. hyperproliferative disorder, preferably cancer, Chediak-Higashi syndrome or a metabolic disorder. The products of the
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                          inflammation or tumour formation. It can also be used to treat a disease or condition associated with phosphoinositide-3-kinase, regulatory subunit 4, p150, e.g. hyperproliferative disorder, preferably cancer, chediak-Higashi syndrome or a metabolic disorder. The products of the invention are immunomodulators with cytostatic activity and can be used
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                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
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be used prophylactically, e.g. to prevent or delay infection,
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100.0%; Pred. No. 1.4e+02;
ative 0; Mismatches 0;
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Best Local Similarity
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Length 20;

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This invention describes a novel antisense oligonucleotides which specifically hybridises to and inhibits the expression of human phosphorionaltade-3-kinase, regulatory subunit 4, piso. The phosphorionaltade-3-kinase regulatory subunit 4, piso. The condition appropriate at least one modified internucleoside linkage, preferably a phosphorothioate linkage. It also comprises at least one moiety. The antisense oligonucleotide further comprises at least one moiety. The antisense oligonucleotide further comprises at least one modified nucleobase, preferably a 5-methylcytosine. The antisense oligonucleotide can be used in diagnostics and as research reagents and kits. It can also be used prophylactically, e.g. to prevent or delay infection, inflammation or tumour formation. It can also be used to treat a disease or condition associated with phosphoinositide-3-kinase, regulatory conduction associated with phosphoinositide-3-kinase, regulatory chediak-Higashi syndrome or a metabolic disorder, preferably cancer, invention are immunomodulators with cytostatic activity and can be used
                                                                                                                                             ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      antisense; inhibitor; hybridisation; human; phosphoinositide-3-kinase; regulatory subunit 4; p150; internucleoside linkage; phosphorothioate linkage; 2'.0-methoxyethyl sugar; 5-methylcytosine; infection; inflammation; tumour formation; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; metabolic disorder; immunomodulator;
invention are immunomodulators with cytostatic activity and can be used
                                                                                                                                           Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                  Phosphoinositide-3-kinase regulatory subunit 4 p150 fragment 124624.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              New antisense compound targeted to a nucleic acid molecule encoding phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for treating cancer, Chediak-Higashi syndrome or a metabolic disorder.
                                                                                                                                             ö
                                                                                                0.4%; Score 20; DB 1; Length 20; 100.0%; Pred. No. 1.4e+02; tive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 20 BP; 6 A; 5 C; 4 G; 5 T; 0 U; 0 Other;
                                                             Sequence 20 BP; 3 A; 7 C; 5 G; 5 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Example 15; SEQ ID NO 111; 60pp; English.
                                                                                                                                                                                 1498 CAGCGTGGCAATGCCTTTCC 1517
                                                                                                                                                                                                      CAGCGTGGCAATGCCTTTCC 20
                                                                                                                                                                                                                                                                                                                          ADL34665 standard; DNA; 20 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           cytostatic, gene therapy; ds.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       18-SEP-2003; 2003US-00667022.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 31-MAY-2002; 2002US-00160786.
                                                                                                                                                                                                                                                                                                                                                                                                        (first entry)
                                                                                                                                         20; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Freier SM, Dobie KW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WPI; 2004-282523/26.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (FREI/) FREIER S M. (DOBI/) DOBIE K W.
                                                                                                Query Match
Best Local Similarity
Matches 20; Conserv
                     for gene therapy.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      for gene therapy
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                          17-JUN-2004
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This invention describes a novel antisense oligonucleotides which specifically hybridises to and inhibits the expression of human phosphoinositide-1-kinase, regulatory subunit 4, p150. The phosphoinositide-1-kinase, regulatory subunit 4, p150. The oligonucleotides comprises at least one modified internucleoside linkage, preferably a phosphorothioate linkage. It also comprises at least one modified modely, preferably a 2'-O-methoxyethyl sugar modely. The antisense oligonucleotide further comprises at least one modified nucleobase, preferably a 5-methylcytosine. The antisense oligonucleotide can be used indiagnostics and as research reagents and kits. It can also be used prophylactically, e.g. to prevent or delay infection, inflammation or tumour formation. It can also be used to treat a disease or condition associated with phosphoinositide-3-kinase, regulatory subunit 4, p150, e.g. hyperproliferative disorder, preferably cancer, chediak-Higashi syndrome or a metabolic disorder. The products of the invention are immunomodulators with cytostatic activity and can be used
                                         ö
                                                                                                                                                                                                                                                                                                                                                                             antisense; inhibitor; hybridisation; human; phosphoinositide-3-kinase; regulatory subunit 4; plS0; internucleoside linkage; phosphorothioate linkage; 2'-O-methoxyethyl sugar; 5-methylcytosine; infection; inflammation; tumnour formation; hyperproliferative disorder cancer; Chediak-Higashi syndrome; metabolic disorder; immunomodulator;
                                           Gaps
                                                                                                                                                                                                                                                                                                                                        Phosphoinositide-3-kinase regulatory subunit 4 p150 fragment 124643.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  encoding
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                New antisense compound targeted to a nucleic acid molecule encodir
phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for
treating cancer, Chediak-Higashi syndrome or a metabolic disorder.
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                                         Indels
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0.4%; Score 20; DB 1; L4
100.0%; Pred. No. 1.4e+02;
iive 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Example 15; SEQ ID NO 129; 60pp; English.
                                                                                  1978 GCCCAAGATGATGCTACTAT 1997
                                                                                                           1 GCCCAAGATGATGCTACTAT 20
                                                                                                                                                                                                                        ВР
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             18-SEP-2003; 2003US-00667022.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  cytostatic; gene therapy; ds
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                31-MAY-2002; 2002US-00160786
                                                                                                                                                                                                                        ADL34683 standard; DNA; 20
                                                                                                                                                                                                                                                                                                     (first entry)
                                         Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Freier SM, Dobie KW;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (FREI/) FREIER S M. (DOBI/) DOBIE K W.
    Query Match
Best Local Similarity
Matches 20; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       for gene therapy.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US2004063657-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Homo sapiens.
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                                                                                                                                                                                                                                                              ADL34683;
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0; Indels

0.4%; Score 20; DB 1; Lt 100.0%; Pred. No. 1.4e+02; iive 0; Mismatches 0;

Query Match Best Local Similarity 100.C Matches 20; Conservative

3388 AAAACTGAACTTCAGCAACT 3407

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Length 20;

RESULT 309 ADR69805 셤

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molecule isolation; micro-channel; molecular weight; micro flow path; polymer compound; flow behaviour; non turbulent flow; ss.
                                                                                                                                                                                                                                                         Micro-channel molecule isolation related Adenine oligo.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (NAAD-) NAT INST ADVANCED IND SCI & TECHNOLOGY.
AAAACTGAACTTCAGCAACT 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       18-FEB-2004; 2004WO-JP001814.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  18-FEB-2003; 2003JP-00039870
                                                                                                                                  ADR69805 standard; DNA; 20
                                                                                                                                                                                                                       (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                       WO2004076038-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Yamashita K,
Yamaguchi Y;
                                                                                                                                                                                                                                                                                                                                                                           Unidentified.
                                                                                                                                                                                                                       02-DEC-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  10-SEP-2004.
                                                                                                                                                                                ADR69805;
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Isolating molecules e.g., DNA, by introducing solution with two the solute molecules into micro flow path to form non turbulent flow, providing physical action to molecule causing difference in flow behavior, separating molecules.

types of

Nakamura H;

Example 3; Page 7; 19pp; Japanese.

The invention relates to a novel method for isolating molecules using a mixer-channel. The molecules are isolated by introducing a mixed solution micro-channel. The molecules differing in molecular weight into a mixer flow path, to form a non turbulent flow, and providing physical action to the molecules by changing the flow state, thus causing different behaviours among different solute molecules, where the calferent behaviour enables uneven distribution of specific kinds of molecules in the flow path, causing separation of the molecules. The molecules in the flow path, causing separation of the molecules. The substrate with a micro flow path, having one or more curved portions, a substrate with a micro flow path, having one or more curved portions, a sample intake unit at one side and a sample removal opening at the other sample intended the curved portion. The method is useful for isolating contion or outside the curved portion. The method is useful for isolating contines, e.g. polymer compounds, DNA or proteins. The method enables simple and efficient separation of molecules by utilising specific flow behaviour in a non turbulent flow, in a micro flow path, where a large curved in the exemplification of the invention.

Sequence 20 BP; 20 A; 0 C; 0 G; 0 T; 0 U; 0 Other;

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Gaps
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0
Length 20;
0.4%; Score 20; DB 1; Length 20;
100.0%; Pred. No. 1.4e+02;
ive 0; Mismatches 0; Indels
                                      20, Conservative
   Query Match
Best Local Similarity
Matches 20; Conserv
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5025 AAAAAAAAAAAAAAAAA 5044

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RESULT 310 AAX08666

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Nucleotide sequences encoding mycrene synthase, limonene synthase and pinene synthase from Grand fir may be incorporated into any organism pinene pinenes from Grand fir may be incorporated into any organism pinenes pineate plant, animal, microbe), or derived cell culture that complete the production of the aforementioned produces geranyl diphosphate for the production of the aforementioned carginary also be used for the production or modification of flavour and carma properties, improvement of defense capability, and the alteration of their ecological interactions mediated by mycrene, limonene, pinene, or their derivatives. In particular they can be used for the production or their derivatives in particular they can be used for the production or or their derivatives in particular they can be used for the extraction of oil or meal. Onlya encoding mycene of plant sedal for the extraction of oil or meal. Onlya encoding mycene squances of different plant synthase enzymes, four conserved sequences of different plant synthase enzymes, four conserved sequences of different plant synthase enzymes, four conserved sequences of different plant synthase enzymes, four construct to construct to one of these primers (AAXO8649 was an antisense primer and used for probes (AAXO86549 generated a pcR product which was 110 base pairs in the amplified product was used in a plasmid construct to crassrom E.coli XLI-Blue cells and the inserts were sequenced. Four conserved sequence given in AAXO8643. The other clones is the myrcene of synthase sequence given in AAXO8643. The other clones is the myrcene of escribed in AAXO864-5.50 were identified for construction of three degenerated a pcR product was used in a plasmid construct to crassrom E.coli XLI-Blue cells and the inserts were sequenced using the primers described in AAXO8643. The other clones is the myrcene conserved sequences were identified for construction of three degenerated a pcR product which was approximately 1020 base pairs in certains of AAXO86651. Were seed to subclone
                                                                                                                                                     Mycrene synthase; limonene synthase; pinene synthase; flavour; monoterpene synthase; aroma; defense; plant seed; oil; meal; primer; PCR;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          New isolated gymnosperm monoterpene synthase DNA - obtained from Grand fir (Abies grandis), used to provide plants with modified production of monoterpenes, e.g. mycrene, limonene or pinene.
                                                                                                                      Primer used for subcloning limonene synthase sequences.
                                                                                                                                                                                                                                                                                                                                                                                                                                                        (UNIW ) UNIV WASHINGTON STATE RES FOUND.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Example 3; Page 110; 121pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Croteau RB;
Bb.
                                                                                                                                                                                                                                                                                                                                                                            98WO-US014528
                                                                                                                                                                                                                                                                                                                                                                                                                   97US-0052249P
AAX08666 standard; DNA; 21
                                                                                   (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Bohlmann J, Steele CL,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WPI; 1999-120396/10.
                                                                                                                                                                                                                                                                                             WO9902030-A1.
                                                                                                                                                                                                                                                                                                                                                                              10-JUL-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                       11-JUL-1997;
                                                                                 27-SEP-1999
                                                                                                                                                                                                                                                                                                                                      21-JAN-1999.
                                                                                                                                                                                                                                                   Synthetic.
                                              AAX08666;
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0.4%; Score 20; DB 1; Length 21;

Query Match

Sequence 21 BP; 5 A; 6 C; 7 G; 3 T; 0 U; 0 Other;

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(HOOP/) HOOPER J W. (SCHM/) SCHMALJOHN C S.
                                                                            Eremothecium gossypii
                                                                                                                                                                                                                                                                                                                                                                WPI; 2003-524771/50.
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                                                                                                                                                                                                                                                                                 (BADI ) BASF AG
                                                                                                                  DE10159396-A1
                                                                                                                                                                                                                                                                                                                          Althoefer H,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Unidentified
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  03-JUN-2004
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
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Matches
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                   PAX PRESENTATION OF THE PROPERTY OF THE PROPER
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              New nucleic acid encoding monoterpene synthases, for increasing terpene synthesis in plants, e.g. for increasing resistance to pests or for treatment of cancer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     The present invention provides the protein and coding sequences of monoterpene synthases from the grand fir. These include (-)-camphene synthase, (-)-beta-phellandrene synthase, terpinolene synthase, (-)-limonene, (-)-apha-phnene synthase, limonene synthase, myrcene synthase and pinene synthase. The sequences can be used to produce transgenic plants expressing high levels of the enzymes, resulting in levels which are useful in protecting against and treating cancers, and to confer
                                      Gaps
                                                                                                                                                                                                                                                                                                                                                                                 Monoterpene synthase; grand fir; cancer; (-)-camphene synthase; myrcene synthase; (-)-limonene synthase; (-)-pinene synthase; probe; terpinolene synthase; insect resistance; nutrition; PCR primer; ss.
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                                                                                                                                                                                                                                                                                                                                             Grand fir monoterpene synthase PCR primer 3-18-EcoRI SEQ ID NO: 35
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                                      Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 21 BP; 5 A; 6 C; 7 G; 3 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Steele CL, Bohlmann J, Croteu RB, Phillips MA;
                Pred. No. 1.5e+02;
                                      Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (UNIW ) UNIV WASHINGTON STATE RES FOUND.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Example 3; Page 140; 175pp; English.
100.08; FIE
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                                                                                                     1 CTGCAGGAATTCGGCACGAG 20
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                                                                          13 CTGCAGGAATTCGGCACGAG
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                                                                                                                                                                                                                      AAF73394 Btandard; DNA; 21
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                                                                                                                                                                                                                                                                                                       (first entry)
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                                 20; Conservative
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            Best Local Similarity
Matches 20; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Ables grandis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   26-JUL-1999;
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ADK65560/C
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AC ADK655/
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DG -MAY
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DE A GOSE3
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         virucide; gene therapy; hantavirus; M segment; L segment; S segment; hantavirus; hantavirus; hantavirus; hantaan virus; HNTV; DNA vaccine; HNTV M genomic segment; pWRG/HTN-M9(x);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Microbial production of riboflavin (vitamin B2), useful as additive for human food or animal fodder, comprises growth of microbes in which activity of rib gene products is increased.
ribl; rib2; rib4; rib7; riboflavin; food; animal feed; 88; primer; PCR
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100.0%; Pred. No. 1.5e+02;
ive 0; Mismatches 0; Indels
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22-MAR-2002; 2002US-0367128P.
26-JUL-2002; 2002US-0398985P.
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                                                                                                                                              The invention describes a nucleic acid (I), or its fragment, comprising a fully defined sequence of 24 base pairs, as given in the specification.

Also described are: a recombinant DNA construct comprising a vector, at least one hantavirus M gene nucleic acid fragment and the nucleic acid fragment (I); a composition (II) comprising inert particles and a nucleic acid coated onto the inert particles producing nucleic acid coated or particles, the nucleic acid comprising a promoter operative in the cells of a mammal and a hantavirus polynucleotide M segment encoding G1 and G2 from one or more hantavirus polynucleotide M segment encoding G1 and G2 from one or more hantavirus interapeutic composition (II) and a pharmaceutical excipient; inducing a protective immune response against comparaints, the vaccine comprising the composition (II) and an antavirus infection in a mammal; a vaccine against infection with the composition (II) and ancillary reagents for detecting the composition (II) and ancillary reagents for detecting the presence or absence of hantavirus antigens in a sample. The composition comprising the composition (II) and ancillary reagents for detecting the formal methods are useful for diagnosing, preventing and treating hantavirus infection. This sequence represents an exogenous DNA associated with the function.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           complex; class II; control oligomers; DR A;
                                                                        New nucleic acid molecules and polypeptides useful for diagnosing, preventing and treating hantavirus (e.g. hemorrhagic fever with renal syndrome and/or hantavirus pulmonary syndrome hantavirus) infection.
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100.0%; Pred. No. 1.5e+02;
ive 0; Mismatches 0; Indels
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                          Custer M;
                                                                                                                                Claim 13; SEQ ID NO 6; 96pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      13 CTGCAGGAATTCGGCACGAG 32
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Garovoy MR, Hunt A,
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nes 20; Conservative
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                          Hooper JW, Schmaljohn
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (revised)
                                                     WPI; 2004-247721/23.
    (CUST/) CUSTER M.
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25-JAN-1994
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Best Local S
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                                                                                                                                                                                                                                                       The sequences given in AAQ47176-77 represent triplex forming oligonucleotides which bind to the mRNA sequence of the MHC class II locus DR A structural gene at positions 851-876. The sequences given in AAQ47178-80 represent control oligomers which contain base compositions similar to that around this DR A region but not containing the correct sequences. DR A is a transplantation antigen. Binding of this sequence to the DR A gene inhibits antigen production. This method may be used for treating individuals with autoimmune disease, characterised by dysfunctional expression of a transplantation antigen. It may also be used to produce cells which are more easily transplanted into a recipient. (Updated on 25-WAR-2003 to correct PN field.)
                                                             - using anti-sense
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                                                         Depletion of transplantation antigens in donor cells - using anti-ser or triplex-forming oligonuclectide(s), used for treating auto-immune disease and in transplants.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human, TNF receptor-associated factor 16; lymphadenoma; cancer; dysgenopathy; phlogosis; immune disease; haemopathy; HIV infection; tumour necrosis factor; cytostatic; virucide; immunomodulator; antiinflammatory; haemostatic; gene therapy; PCR primer; ss.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0.4%; Score 19.6; DB 1; Length 26; 84.6%; Pred. No. 1.7e+02;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0; Mismatches
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                                                                                                                                                                                                         Example; Page 22; 71pp; English.
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ABA01951 standard; DNA; 24
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WPI; 1993-258367/32.
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Local Sir.
22;
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Synthetic.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Vaccine, cytostatic, virucidal, bactericidal, fungicidal, anti-parasitic, immunostimulatory, tumour; viral infection; bacterial infection; fungal infection; parasitic infection; cancer; asthma; infections disease; allergy; immune deficiency; phosphorothioate; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Vaccinating against tumors, infectious diseases, allergies and asthmausing immunostimulatory Py-rich and TG nucleic acids.
                                                                                                                                                     Gaps
sequence is a PCR primer for the coding sequence of the invention
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                                                                                              0.4%; Score 19.4; DB 1; Length 24; 95.2%; Pred. No. 1.7e+02; tive 0; Mismatches 1; Indels
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                                               Sequence 24 BP; 3 A; 11 C; 7 G; 3 T; 0 U; 0 Other;
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                                                                                                                                                                                                    5063 AACTCGAGGGGGGCCCGGTA 5083
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Immunostimulatory nucleic acid #51.
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27-SEP-1999; 99US-0156135P.
23-AUG-2000; 2000US-0227436P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                              12-JUN-2001 (first entry)
                                                                                 Query Match
Best Local Similarity 95.2<sup>3</sup>
Marches 20; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                               AAF98935;
                                                                                                                                                                                                                                                                                                                              RESULT 316
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The invention relates to inhibiting angiogenesis in a subject, comprising administering at least one antiangiogenic nucleic acid molecule. Also included is a kit comprising a first contenier housing the antiangiogenic nucleic acids, and instructions for administering them to a subject having a condition characterised by unwanted angiogenesis. The method is useful for inhibiting angiogenesis associated with solid tumour growth, tumour metastasis, precancerous lesson, rheumatoid arthritis, psoriasis, diabetic retinopathy, retinopathy of prematurity, macular degeneration, corneal graft rejection, neovascular glaucoma, retrolental fibroplasia, rubeosis, osler-Webber Syndrome, myocardial angiogenesis, plaque neovascularisation, telangiectasia, haemobylilac joints, angiofibroma, wound granulation, intestinal adhesions, atherosclerosis, sclaroderma and hypertrophic scars. The present sequence is an antiangiogenic nucleic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Inhibiting angiogenesis in a subject, involves administering at least one antiangiogenic nucleic acid molecule to the subject.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Anglogenesis inhibitor; ss; anglogenesis; solid tumour growth; tumour metastasis; precancerous lesion; rheumatoid arthritis; psoriasis; diabetic retinopathy; retinopathy of prematurity; macular degeneration; corneal graft rejection; neovascular glaucoma; retrolental fibroplasia; rubeosis; Osler-Webber Syndrome; myocardial anglogenesis; plaque neovascularisation; telanglectasia; haemophiliac joint;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Angiogenesis inhibitory oligonucleotide #60.
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5025 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA 5048
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           scleroderma; hypertrophic scar.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          14-DEC-2001; 2001WO-US048458.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       14-DEC-2000; 2000US-025534P.
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Best Local Similarity 87.5
Matches 21, Conservative
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RESULT 318 ACD99368/c

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Gaps

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Similarity 87.5%; Pred. No. 1.8e+02; 21; Conservative 0; Mismatches 3; Indels

Query Match
Best Local Similarity 87.5
Matches 21; Conservative

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New immunostimulatory oligonucleotide comprising non-palindromic nucleic acid sequence motif, useful for inducing B-cell activation, treating, preventing or ameliorating immune system disorder or tumoral disease e.g. melanoma.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              The invention relates to a method of treating or preventing allergy or asthma which comprises administering to a subject a poly-G nucleic acid in an aerosol formulation. The methods and compositions of the present invention are useful for diagnosing and/or treating asthma and allergy especially in a hypo-responsive subject. The present sequence represents an immunostimulatory nucleic acid of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ps; non-CpG; immunostimulatory; non-palindromic; immune response; proliferation; differentiation; cytokine; antibody production; B-cell; plasmacytoid dendritic cell; immunomodulator; gene therapy; chronic myelogenous leukaemia; melanoma; Kaposi's sarcoma; renal cell carcinoma.
                                                                                                                                                                                                                                                                                                                                                                                                    Treating and/or preventing allergy or asthma using an immunostimulatory nucleic acid alone or in combination with an asthma/allergy medicament.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
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11; Conservative 0; Mismatches 3; Indels
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                                                                                                                03-FEB-2000; 2000US-0179991P.
                                                           02-FEB-2001; 2001US-00776479
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ADG76001 standard; DNA; 24
                                                                                                                                                                                                                                                                                             Bratzler RL, Petersen DM,
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                                                                                                                                                                     (BETE/) BEATZLER R L.
(PETE/) PETERSEN D M.
(FOUR/) FOURON Y.
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08-MAY-2003
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Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               The invention describes a method of treating non-allergic inflammatory disease comprising administering to a subject having or at risk of developing a non-allergic inflammatory disease an immunostimulatory nucleic acid for prevention or treatment of the disease. The method is useful for treating non-allergic inflammatory diseases, such as psoriasis, eczema, allergic contect dermatitis, latex dermatitis or inflammatory bowel disease e.g., ulcerative colitis or Crohn's disease. This sequence represents an immunostimulatory nucleic acid
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                                                                                                                                                                                                                                              Immunostimulatory; antiinflammatory; dermatological; antipsoriatic; antiulcer; gene therapy; vaccine; non-allergic inflammatory disease; psoriasis; eczema; allergic contact dermatitis; latex dermatitis; inflammatory bowel disease; ulcerative colltis; Crohn's disease; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Treating non-allergic inflammatory diseases, such as psoriasis, ecz allergic contact dermatitis, latex dermatitis or inflammatory bowel disease by administering an immunostimulatory nucleic acid.
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Local Similarity 87.5%; Pred. No. 1.8e+02;
les 21; Conservative 0; Mismatches ?. *---
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                                                                                                                                                                                               Immunostimulatory nucleic acid #54.
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                  BP
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                     ACD99368 standard; DNA; 24
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Berg DJ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (KRIB/) KRIEG A M. (BERG/) BERG D J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US2003087848-A1.
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This invention relates to novel immunostimulatory oligonucleotides that contain a non-palindromic sequence motif. Specifically, it refers to DNA oligonucleotides [without a CpG motif), which can stimulate an immune response in animals of the order of primate, including humans. The immune response is characterised by the proliferation, differentiation, cytokine and antibody production in B-cells, as well as cell differentiation and cytokine production in B-cells, as well as cell differentiation and invention describes immunomodulator compositions that also comprise an antigen selected from, for example, viruses, bacteria, parasites, tumour cells and glycolipids. As such, these DNA oligos can be used in gene ameliorating an immune system disconder or a tumoural disease including chronic myelogenous leukaemia, melanoma, Kaposi's sarcoma, and renal cell carcinoma. This oligonucleotide sequence is a non-CpG DNA oligo of the
                            Example 17; Page 80; 139pp; English.
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Gaps ô 0.4%; Score 19.2; DB 1; Length 24; llarity 87.5%; Pred. No. 1.8e+02; Conservative 0; Mismatches 3; Indels Sequence 24 BP; 0 A; 0 C; 3 G; 21 T; 0 U; 0 Other; 5025 AAAAAAAAAAAAAAAAAAA 5048 24 AAAAACAAAAAAACAAAAAAAAA 1 Similarity 21, Query Match Local Matches ઠે 셤

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Non-CpG DNA oligonucleotide 36. ADG76035 standard; DNA; 24 BP (first entry) 11-MAR-2004 ADG76035;

se; non-CpG; immunostimulatory; non-palindromic; immune response; proliferation; differentiation; cytokine; antibody production; B-cell; plasmacytoid dendritic cell; immunomodulator; gene therapy; chronic myelogenous leukaemia; melanoma; Kaposi's sarcoma; renal cell carcinoma.

Synthetic.

WO2003101375-A2. 11-DEC-2003.

30-MAY-2003; 2003WO-EP005691

30-MAY-2002; 2002CA-02388049.

(IMMU-) IMMUNOTECH SA

Lopez RA;

WPI; 2004-053333/05.

New immunostimulatory oligonucleotide comprising non-palindromic nucleic acid sequence motif, useful for inducing B-cell activation, treating, preventing or ameliorating immune system disorder or tumoral disease e.g. melanoma

Example 17; Page 81; 139pp; English.

This invention relates to novel immunostimulatory oligonucleotides that contain a non-palindromic sequence motif. Specifically, it refers to DNA oligonucleotides (without a CpG motif), which can stimulate an immune response in animals of the order of primate, including humans. The immune

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response is characterised by the proliferation, differentiation, cytokine and antibody production in B-cells, as well as cell differentiation and cytokine production in plasmacytoid dendritic cells. The present invention describes immunomodulator compositions that also comprise an antigen selected from, for example, viruses, bacteria, parasites, tumour cells and glycolipids. As such, these DNA oligos can be used in gene therapy for inducing B-cell activation, treating, preventing or therapy for inducing B-cell activation, treating, preventing or charactering an immune system disorder or a tumoural disease including chronic myelogenous leukaemia, melanoma, Kaposi's sarcoma, and renal cell carcinoma. This oligonucleotide sequence is a non-CpG DNA oligo of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             The invention discloses a microarray comprising a plurality of nucleic acid probes including one of 2,018,500 fully defined sequences, or its perfect match, perfect mismatch, antisense match or antisense mismatch. Also disclosed is a method of gene expression analysis. The array is used in monitoring gene expression levels by hybridisation of tag-labelled compounds. The nucleic acid probes are specifically designed for analysis of at least one target sequence. The method of analysis comprises hybridisation at least one or more nucleic acid probes are appointed acid probes and detecting the hybridisation. The nucleic acid probes are attached to a solid support. The analysis comprises monitoring gene expression levels, identifying biallelic markers or polymorphisms, or family members of a gene and a cross-species comparison. Each of the nucleic acids further comprises a tag sequence. The array of nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     New array of nucleic acid probes, useful for in situ hybridization, in Southern, Northern or dot-blot hybridization to identify or detect the sequence or specific mutations of any gene.
                                                                                                                                                                                                                                                                                                                                                 Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   EST; ss; probe; expressed sequence tag; microarray; gene expression; genetic variation; biallelic marker; polymorphism; human;
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                                                                                                                                                                                                                                                                                               y Match 0.4%; Score 19.2; DB 1; Length 24; Local Similarity 87.5%; Pred. No. 1.8e+02; hes 21; Conservative 0; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human microarray DNA oligonucleotide SEQ ID NO 76254.
                                                                                                                                                                                                                                                            Sequence 24 BP; 0 A; 0 C; 3 G; 21 T; 0 U; 0 Other;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ACI76263 standard; DNA; 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (first entry)
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                                                                                                                                                                                                                      invention.
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                                                                                                                                                                                                                                                                                                      Query Match
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The invention discloses a microarray comprising a plurality of nucleic acid probes including one of 2,018,500 fully defined sequences, or its perfect match, perfect mismatch, antisense match or antisense mismatch. Also disclosed is a method of gene expression analysis. The array is used in monitoring gene expression levels by Mybridisation to a DNA library, in monitoring gene expression levels by Mybridisation to a DNA library, compounds. The nucleic acid probes are specifically designed for analysis of at least one target sequence. The method of analysis comprises of at least one target sequence in the method of analysis comprises the probes and detecting the hybridisation. The nucleic acid probes and detecting the hybridisation. The nucleic acid probes are attached to a solid support. The analysis comprises monitoring gene expression levels, identifying biallelic markers or polymorphisms, or family members of a gene and a cross-species comparison.

Sor family members of a gene and a cross-species comparison nucleic acid further comprises a tag sequence. The array of nucleic acid further comprises a tag sequence or specific blot hybridisation to identify or detect the sequence or specific
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    probes is useful in in situ hybridisation, in Southern, Northern or dot-
blot hybridisation to identify or detect the sequence or specific
mutations of any gene, in mapping the 5' termini of mRNA molecules by
primer extensions or in screening cDNA or genomic libraries or subclones
for additional subclones containing segments of DNA that have been
isolated and previously sequenced. The sequence presented is one of the
nucleic acid probes incorporated in the microarray. Note: The sequence
data for this patent can also be obtained in electronic format directly
from USPTO at seqdata.uspto.goc/sequence.html
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   New array of nucleic acid probes, useful for in situ hybridization, in Southern, Northern or dot-blot hybridization to identify or detect the sequence or specific mutations of any gene.
is useful in in situ hybridisation, in Southern, Northern or dot
                                                                                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  EST; ss; probe; expressed sequence tag; microarray; gene expression; genetic variation; biallelic marker; polymorphism; human;
                                                                                                                                                                                                                                                                                                        ö
                                                                                                                                                                                                                                                          Score 19.2; DB 1; Length 25; Pred. No. 1.8e+02;
                                                                                                                                                                                                                                                                                                        3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human microarray DNA oligonucleotide SEQ ID NO 76253.
                                                                                                                                                                                                                      Sequence 25 BP; 8 A; 8 C; 7 G; 2 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                             0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                       80 TCTTGGGACTGGCGGTCTGCACTT 103
                                                                                                                                                                                                                                                                                                                                                                                                24 rcrreceacrerecercescerr 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ACI76262 standard; DNA; 25 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      16-MAR-2001; 2001US-0276759P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        15-MAR-2002; 2002US-00098263
                                                                                                                                                                                                                                                               ch 0.4%;
1 Similarity 87.5%;
21; Conservative (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  cross-species comparison.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (AFFY-) AFFYMETRIX INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WPI; 2003-567953/53.
                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Mittmann MP;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 14-OCT-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   05-JUN-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ACI76262;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 323
                                                                                                                                                                                                                                                                                                                  Matches
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                                                                                                                                                                                                    ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               New isolated DNA molecule that is expressed in stressed microspores, useful for causing male sterility in plants or for producing a totipotent
mutations of any gene, in mapping the 5' termini of mRNA molecules by primer extensions or in screening cDNA or genomic libraries or subclones for additional subclones containing segments of DNA that have been isolated and previously sequenced. The sequence presented is one of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         tobacco; stressed microspore; plant; transfect; male sterility;
                                              isolated and previously sequenced. The sequence presented is one of the nucleic acid probes incorporated in the microarray. Note: The sequence data for this patent can also be obtained in electronic format directly from USPTO at seqdata.uspto.goc/sequence.html
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                                                                                                                                                                 ch 0.4%; Score 19.2; DB 1; Length 25; 1 Similarity 87.5%; Pred. No. 1.8e+02; 21; Conservative 0; Mismatches 3; Indels
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100.0%; Pred. No. 1.7e+02;
ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 19 BP; 2 A; 10 C; 5 G; 2 T; 0 U; 0 Other;
                                                                                                                                    Sequence 25 BP; 7 A; 8 C; 7 G; 3 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Heberle-Bors E;
                                                                                                                                                                                                                                                                                                                                                                                                                                                            Tobacco plant PCR primer INT2 SEQ ID NO:6.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Example 3; SEQ ID NO 6; 65pp; English.
                                                                                                                                                                                                                                        80 TCTTGGGACTGGCGGTCTGCACTT 103
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CTCGAGGGGGGCCCGGTA 5083
                                                                                                                                                                                                                                                                    24 TCTTGGGACTGACGGTCGGCCCTT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (ARCS-) ARC SEIBERSDORF RES GMBH.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CTCGAGGGGGGCCCGGTA 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      cell or a male sterile plant.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   06-NOV-2003; 2003WO-EP012441
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Tashpulatov AS,
                                                                                                                                                                                                                                                                                                                                                             ADOS7809 standard; DNA; 19
                                                                                                                                                                                                                                                                                                                                                                                                                              12-AUG-2004 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Local Similarity 100.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  totipotent cell; primer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WPI; 2004-411521/38.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Nicotiana tabacum
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WO2004042066-A2.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local S:
Matches 19
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                                                                                                                                                                                                                                                                                                                                                                                              ADO57809;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PCR;
                                                                                                                                                                          Query Match
Best Local &
                                                                                                                                                                                                           Matches
                                                                                                                                                                                                                                                                                                                               RESULT 32
ADO57809/
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The invention describes a RNA interference (iRNA) agent (I) comprising a sense sequence and an antisense sequence, where the sense sequences have sense sequences have one or more asymmetrical 2'-O alkyl modifications, the antisense sequences have one or more asymmetrical phosphorothioate modifications and the antisense sequence targets a human gene sequence. Also described are: a pharmaceutical proparation comprising (I); reducing (M) appB-100 levels or glucose-6-phosphatase levels in a subject; producing (I); antiolves selecting a sequence with activity and introducing one or more asymmetrical modification in the sequence, where the modification decreases nuclease sensitivity while not decreasing its activity; a kit comprising (I) and instruction for its use; and a device the modification appeal of levels or glucose-6-phosphatase levels. (MI) is useful for reducing apoB-100 levels or glucose-6-phosphatase levels. (MI) is useful for reducing apoB-100 levels or glucose-6-phosphatase levels. The subject is suffering from a disorder characterised by elevated or otherwise unwanted expression of alsoful clevels of lipid metabolism. The
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Interference RNA agent useful for treating dyslipidemias, coronary artery disease, diabetes, cancer or neurological disease, comprises sense sequence and antisense sequence which has specific modifications.
                                                                                                                                                                       cytostatic; anticonvulsant; nootropic; muscula; anti-HIV;
RNA interference; iRNA; antisense technology; lipid metabolism;
cholesterol imbalance; dyslipidaemia hypercholesterolaemia;
coronary artery disease; CAD; coronary heart disease; CHD;
atherosclerosis; hepatic glucose production;
glucose-metabolism-related disorder; diabetes; cancer; breast cancer;
colon cancer; lung cancer; neurological disease; Huntington disease;
spinocerebellar ataxia; viral disease; ALDS; hepatitis C virus; HCV; ss.
                                                                                                                                                         antilipemic; cardiant; vasotropic; antiarteriosclerotic; antidiabetic;
                                                                                                                   Hepatitis C virus (HCV) oligonucleotide segid 6759.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Example 5; SEQ ID NO 6759; 378pp; English
ADR82260 standard; DNA; 19 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          25-APR-2003; 2003US-0465665P.
25-APR-2003; 2003US-0465802P.
09-MAY-2003; 2003US-0469612P.
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2003US-0454962P.
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2003US-0493986P.
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2003US-0506341P.
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                                                                            (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WPI; 2004-677362/66.
                                                                                                                                                                                                                                                                                                                                                   Hepatitis C virus.
                                                                                                                                                                                                                                                                                                                                                                                          WO2004080406-A2.
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                                                                          16-DEC-2004
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                                      ADR82260;
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             dyslipidaemias, hypercholestorolaemia, statin-resistant hypercholestorolaemia, coronary artery disease (CAD), coronary heart hypercholesterolaemia, coronary artery disease (CAD), coronary heart disease (CHD) and atherosclerosis. (I) is administered to a subject to inhibit hepatic glucose-production or for treating glucose-metabolism-related disorder e.g. diabetes or type-2 diabetes. (I) is useful for treating the diseases as mentioned above, cancer (e.g. breast, colon or lung cancer), neurological disease (e.g., Huntington disease or spinocerebellar ataxia) or viral disease (e.g., AIDS). This sequence represents a hepatitis C virus (HCV) antisense oligonucleotide that can be used to control HCV gene expression.
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disorder is chosen from the HDL/LDL cholesterol imbalance,
                                                                                                                                                                                                                              Length 19;
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                                                                                                                                                                                            Sequence 19 BP; 0 A; 0 C; 0 G; 19 T; 0 U; 0 Other;
                                                                                                                                                                                                                             0.4%; Score 19; DB 1; Le:
100.0%; Pred. No. 1.7e+02;
ive 0; Mismatches 0;
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2003US-0454265F
2003US-0455650F
2003US-0462884F
2003US-0463772F
2003US-0465665F
2003US-0465665F
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2003US-0494597P.
2003US-0506341P.
2003US-0510246P.
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                                                                                                                                                                                                                                                                Conservative
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                                                                                                                                                                                                                                            Local Similarity
nes 19; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Hepatitis C virus.
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09-MAY-2003;
08-AUG-2003;
11-AUG-2003;
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13-MAR-2003;
13-MAR-2003;
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25-APR-2003;
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                                                                                                                                                                                                                             Query Match
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Matches
                                                                                                                                                                                                                                                                                                                                                                               RESULT 326
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cytostatic, anticonvulsant; notropic; muscula; anti-HIV;
RNA interference; iRNA; antisense technology; lipid metabolism;
cholesterol imbalance; dyalipidaemia hypercholesterolaemia;
coronary artery disease; CAD; coronary heart disease; CHD;
atherosclerosis; hepatic glucose production;
glucose-metabolism-related disorder; diabetes; cancer; breast cancer;
colon cancer; lung cancer; neurological disease; Huntington disease;
spinocerebellar ataxia; viral disease; AIDS; hepatitis C virus; HCV; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        antilipemic; cardiant; vasotropic; antiarteriosclerotic; antidiabetic;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Hepatitis C virus (HCV) oligonucleotide seqid 6760.
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                                                                                                                                                                                                                                                                                                                                                                                                                                  RESULT 327
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The invention describes a RNA interference (iRNA) agent (I) comprising a sense sequence and an antisense sequence, where the sense sequences have one or more asymmetrical 2'-O alkyl modifications, the antisense one or more asymmetrical phosphorothioate modifications and the antisense sequence targets a human gene sequence. Also described are: a pharmaceutical preparation comprising (I); reducing (MI) apoB-100 (evels or glucose-G-phosphatase levels in a subject; producing (II); tatabilising (I), involves selecting a sequence with activity and introducing one or more asymmetrical modification in the sequence, where the modification decreasing its activity; a kit comprising (I) and instruction for its use; and a device that can be dispense or administer a composition comprising (I). (II) is useful for reducing apoB-100 levels or glucose-G-phosphatase levels. (MI) is useful for reducing apoB-100 levels or glucose-G-phosphatase levels. (The subject is suffering from a disorder characterised by elevated or otherwise unwanted expression of apos-100, elevated or otherwise unwanted cypression of apos-100, elevated or otherwise unwanted cyprescholesterolaemia, coronary attery disease (CDD), coronary heart of disease (CDD), and atherosclerosis. (I) is administered to a subject to inhibit hepatic glucose production or for treating quested placeder e.g. diabetes or type-2 diabetes. (I) is useful for treating the diseases as mentioned above, cancer (e.g. breast, colon or lung cancer), incurological disease (e.g., Huntington disease or epinocerbellar ataxia) or viral disease (e.g., Huntington disease or epinocerbellar ataxia) or viral disease (e.g. ö Interference RNA agent useful for treating dyslipidemias, coronary artery disease, diabetes, cancer or neurological disease, comprises sense sequence and antisense sequence which has specific modifications. Gaps ; 0.4%; Score 19; DB 1; Length 19; 100.0%; Pred. No. 1.7e+02; ive 0; Mismatches 0; Indels Sequence 19 BP; 0 A; 0 C; 0 G; 19 T; 0 U; 0 Other; Example 5; SEQ ID NO 6756; 378pp; English 5025 AAAAAAAAAAAAAAA 5043 19 AAAAAAAAAAAAAAA 1 ADR82261 standard; DNA; 19 BP (first entry) Best_Local Similarity 100. Matches 19; Conservative

Interference RNA agent useful for treating dyslipidemias, coronary artery disease, diabetes, cancer or neurological disease, comprises sense sequence and antisense sequence which has specific modifications.

2003US-0493986P. 2003US-0494597P. 2003US-0506341P. 2003US-0510246P.

07-NOV-2003; 2003US-0518453P

Manoharan M, Bumcrot D; (ALNY-) ALNYLAM PHARM.

WPI; 2004-677362/66.

2003US-0510318P

2003US-0455050P. 2003US-0462894P. 2003US-0463772P. 2003US-0465665P. 2003US-0465802P.

25-APR-2003; 25-APR-2003; 09-MAY-2003;

38-AUG-2003; 11-AUG-2003; 26-SEP-2003; 09-OCT-2003;

13-MAR-2003; 14-APR-2003; 17-APR-2003;

Example 5; SEQ ID NO 6760; 378pp; English

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The invention describes a RNA interference (iRNA) agent (I) comprising a sense sequence and an antisense sequence, where the sense sequences have cone or more asymmetrical 2'-0 alkyl modifications, the antisense cone or more asymmetrical phosphorothioate modifications comprises and the antisense sequence targets a human gene sequence. Also described and the antisense sequence targets a human gene sequence. Also described are: a pharmaceutical preparation comprising (I); reducing (I); reducing (I); reducing (I); involves selecting a sequence with activity and introducing one or more asymmetrical modification in the sequence, where controducing one or more asymmetrical modification in the sequence, where introducing one or more asymmetrical modification in the sequence, where controducing one or more asymmetrical modification in the sequence of controducing one or administer a composition for its use; and a device that can be dispense or administer a composition comprising (I). II is control for reducing apoB-100 levels or glucose-6-phosphatase levels. The subject is suffering from a disorder characterised by elevated or cherwise unwanted expression of apoB-100, elevated or otherwise unwanted control from a disorder characterised by elevated or cherwise unwanted expression of apoB-100, elevated or cherwise unwanted cyclosersorlestorolaemia, statin-resistant control cont
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Pred. No. 1.7e+02;
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100.0%; Pred. ... o; Mismatches Local Similarity 100. Matches

5025 AAAAAAAAAAAAAAA 5043 19 AAAAAAAAAAAAAAAAA 1 셤 ð

ADR82258 standard; DNA; 19 BP RESULT 328 ADR82258/c ДX

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consequence and an antisense agequence, where the sense sequences have one or more asymmetrical 2'-O alkyl modifications, the antisense sequence and an antisense sequence where the sense sequences have one or more asymmetrical phosphorothioate modifications and the antisense sequence targets a human gene sequence. Also described are: a pharmaceutical preparation comprising (I); reducing (M1) apoB-100 levels or glucose-6-phosphatase levels in a subject; producing (I); ctabilising (I); involves selecting a sequence with activity and catabilising one or more asymmetrical modification in the sequence, where the modification decreases nuclease sensitivity while not decreasing its activity; a kit comprising (I) and instruction for its use; and a device that can be dispense or administer a composition comprising (I). (I) is useful for reducing apoB-100 levels or glucose-6-phosphatase levels. The subject is suffering from a disorder characterised by elevated or cherwise unwanted expression of apoB-100, elevated or otherwise unwanted captering in and/or disregulation of lipid metabolism. The disorder is chosen from the HDI/LDL cholesterol imbalance, dysludaemia, hypercholesterolaemia, attern resistent hypercholesterolaemia, coronary attery disease (CHD), coronary heart chise disease (CHD) and atherosclerosis. (I) is administered to a subject to
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Interference RNA agent useful for treating dyslipidemias, coronary artery disease, diabetes, cancer or neurological disease, comprises sense sequence and antisense sequence which has specific modifications.
                                                                                                                                        cytostatic; anticonvulsant, notropic; muscula; anti-HIV;
KNA interference; iRNA; antisense technology; lipid metabolism;
cholesterol imbalance; dyslipidaemia hypercholesterolaemia;
coronary artery disease; CAD; coronary heart disease; CHD;
atherosclerosis; hepatic glucose production;
glucose-metabolism-related disorder; disbetes; cancer;
colon cancer; lung cancer; neurological disease; Huntington disease;
spinocerebellar ataxia; viral disease; ALDS; hepatitis C virus; HCV; ss.
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                                                                                  Hepatitis C virus (HCV) oligonucleotide seqid 6757
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17-APR-2003; 2003US-0462894P.
17-APR-2003; 2003US-0465665P.
25-APR-2003; 2003US-0465662P.
09-MAY-2003; 2003US-0465612P.
08-AUG-2003; 2003US-049599FP.
26-SEP-2003; 2003US-0494597P.
26-SEP-2003; 2003US-0510241P.
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2003US-0454962P.
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                                      16-DEC-2004 (first entry)
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                                                                                                                                                                                                                                                                                                                                Hepatitis C virus.
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                                                                                                                         antilipemic;
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  ADR82258;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  cytostatic; anticonvulsant; nootropic; muscula; anti-HIV; RNA interference; iRNA; antisense technology; lipid metabolism; cholesterol imbalance; dyslipidaemia hypercholesterolaemia; coronary artery disease; CAD; coronary heart disease; CHD; atherosclerosis; hepatic glucose production; glucose-metabolism-related disorder; disbates; cancer; breast cancer; colon cancer; lung cancer; neurological disease; Huntington disease; spinocerebellar ataxia; viral disease; ADDS; hepatitis C virus; HCV; ss.
inhibit hepatic glucose production or for treating glucose-metabolism-related disorder e.g. diabetes or type-2 diabetes. (I) is useful for treating the diseases as mentioned above, cancer (e.g. breast, colon or lung cancer), neurological disease (e.g., Huntington disease or spinocerobellar ataxia) or viral disease (e.g., MDS). This sequence represents a hepatitis C virus (HCV) antisense oligonucleotide that can be used to control HCV gene expression.
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                                                                                                                                                                              Length 19;
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                                                                                                                                           Sequence 19 BP; 0 A; 0 C; 0 G; 19 T; 0 U; 0 Other;
                                                                                                                                                                                            Pred. No. 1.7e+02;
                                                                                                                                                                          0.4%; Score 19; DB 1;
100.0%; Pred. No. 1.7e+02
ative 0; Mismatches 0
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13-MAR-2003, 2003US-0454965P.
13-MAR-2003, 2003US-0454962P.
13-MAR-2003, 2003US-0455050P.
14-APR-2003, 2003US-0462894P.
17-APR-2003, 2003US-0465802P.
25-APR-2003, 2003US-0465802P.
25-APR-2003, 2003US-0465812P.
08-AUG-2003, 2003US-04597P.
11-AUG-2003, 2003US-0493986P.
11-AUG-2003, 2003US-0493986P.
11-AUG-2003, 2003US-0493986P.
11-AUG-2003, 2003US-0493986P.
10-OCT-2003, 2003US-0510318P.
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                                                                                                                                                                                                                                                                                                                                                                        ADR82256 standard; DNA; 19
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Best Local Similarity 100.(
Matches 19, Conservative
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ID ADR8
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2003US-0494597P. 2003US-0506341P. 2003US-0510246P. 2003US-0510318P. 2003US-0518453P.

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2003US-0465802P. 2003US-0469612P. 2003US-0493986P.

2003US-0462894P. 2003US-0463772P. 2003US-0465665P.

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Manoharan M, Bumcrot D;
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                                                                                         25-APR-2003;
09-MAY-2003;
08-AUG-2003;
11-AUG-2003;
                                          17-APR-2003;
25-APR-2003;
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                        L4-APR-2003;
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                                                              The invertion describes a kNA interferce (kNA) agein (1) computating a sense sequence and an antiseanse sequence, where the sense sequences have one or more asymmetrical 2.0 alkyl modifications, the antiseanse cone or more asymmetrical phosphorothioate modifications and the antiseanse sequence targets a human gene sequence. Also described are: a pharmaceutical preparation comprising (1); reducing (M1) apoB-100 care: a pharmaceutical preparation comprising (1); reducing (M1) apoB-100 care: a pharmaceutical proparation comprising (1); producing (I); the modification in the sequence, where introducing one or more asymmetrical modification in the sequence, where controducing one or more asymmetrical modification in the sequence, where introducing one or more asymmetrical modification in the sequence, where controdification decreasing (I) and instruction for its use; and a device that can be dispense or administer a composition comprising (I). (I) is activity; a kit comprising (I) and instruction for its use; and a device that can be dispense or administer a composition comprising (I). (I) is useful for reducing apoB-100 levels or glucose-6-phosphatase levels.

The subject is suffering from a disorder characterised by elevated or otherwise unwanted aspression of apoB-100, elevated or otherwise unwanted clasores from the HDL/LDL cholesterol imbalance, disorder is chosen from the HDL/LDL cholesterol imbalance, disorder is chosen from the HDL/LDL cholesterol imbalance, or conary attery disease (CHD) and atherosclerosis. (I) is administered to a subject to inhibit hepatic glucose production or for treating glucose-matabolism-crelated disorder e.g. diabetes or for treating the diseases as mentioned above, cancer (e.g. breast, colon or treating the diseases as mentioned above, cancer (e.g. breast, colon or treating the diseases as mentioned elect.). Albab. This sequence represents a hepatitis C virus (HCV) antisense oligonucleotide that can control HCV gene expression.
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RNA interference; IRNA; antisense technology; lipid metabolism;
cholesterol inhalance; dyslipidaemia hypercholesterolaemia;
coronary artery disease; ChD; coronary heart disease; CHD;
atherosclerosis; hepatic glucose production;
glucose-metabolism-related disorder; diabetes; cancer; breast cancer;
colon cancer; lung cancer; neurological disease; Huntington disease;
spinocerebellar ataxia; viral disease; AIDS; hepatitis C virus; HCV; ss.
                                                 The invention describes a RNA interference (iRNA) agent (I) comprising
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       Example 5; SEQ ID NO 6755; 378pp; English.
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12-MAR-2003; 2003US-0454265P.
13-MAR-2003; 2003US-0454962P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Matches 19; Conservative
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Best Local Similarity
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The invention describes a RNA interference (IRNA) agent (I) comprising a sense sequence and an antisense sequence, where the sense sequences have sense sequence and an antisense sequence, where the sense sequences have one or more asymmetrical 2'-0 alkyl modifications, the antisense consequence tasymetrical phosphorothioate modifications and the antisense sequence tasymetrical phosphorothioate modifications and the antisense sequence tasymetrical phosphorothioate modifications or more asymmetrical modification in the sequence, where introducing one or more asymmetrical modification in the sequence, where introducing one or more asymmetrical modification in the sequence, where introducing one or more asymmetrical modification in the sequence, where the modification decreases nuclease sensitivity while not decreasing its activity; a kit comprising (I) and instruction for its use; and a device that can be dispense or administer a composition for its use; and a device that can be dispense or administer a composition comprising (I). Iis useful for reducing apoB-100 levels or glucose-6-phosphatase levels. The subject is suffering from a disorder characterised by elevated or or cherwise unwanted expression of apoB-100, elevated or otherwise unwanted expression of apoB-100, elevated or otherwise unwanted consent from the Hub/LDL cholesterol imbalance, dispanse (GB) and atheroselerosis. (I) is administered to a subject to inhibit hepatic glucose production or for treating glucose-metabolism-related disorder e.g. diabetes or type-2 diabetes. (I) is useful for related disorder e.g. diabetes or type-2 diabetes. (I) is administered to a subject colon or creating the diseases as mentioned above, cancer (e.g. breast, colon or creating the diseases as mentioned above, cancer (e.g. breast, colon or creating the diseases as mentioned elevel. (e.g., Huntington disease or ginnocrebellar ataxia) or viral disease (e.g., Huntington disease or general control of the proper decreased or elevel control of the proper decreased or elevel 
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Interference RNA agent useful for treating dyslipidemias, coronary artery disease, diabetes, cancer or neurological disease, comprises sense sequence and antisense sequence which has specific modifications.
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100.0%; Pred. No. 1.7e+02;
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Local Similarity 100.0%; Pred. No. 1...
                                                                                                                                                                                                             Example 5; SEQ ID NO 6758; 378pp; English
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AAH75578 standard; DNA; 23
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                                                                                                                            Schwab M, Schaeffeler E;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Best Local Similarity 95.0
Matches 19, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Mao Y, Xie Y, Gin Y;
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                                                                                                                                                         WPI; 2003-627758/59.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (all claimed)
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    14-AUG-2003.
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                                                                                                                                                                                                                                      anemia.
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                                                                                                                                                                                                                                                                                                                                                                                                                                      for recovery of cells or clumps of cells, especially pancreatic islets or tumour cells. The tumour cells can be modified ex vivo and then returned to the patient (adoptive immunotherapy). After tissue degradation, the cells or clumps of cells are separated by centrifugation and on density gradients. The protease is produced by recombinant techniques. Primers used for manipulation of the protease coding sequence were synthesised based on peptide fragments of the protease. The primers are described in AAT32287-96. This primer was used to amplify a 320 base pair partial sequence of the protease coding sequence which was then used for sequence
                                                                                                                                                                                                                                                                                                                                                                                                                        The neutral protease of Clostridium hystolyticum is used to digest tissue
                                Clostridium histolyticum; neutral protease; digestion; tissue; degradation; pancreatic islets; tumour; adoptive immunotherapy; cell.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                            Nucleic acid encoding neutral protease of Clostridium histolyticum - useful for tissue digestion and release of constituent cells or cell
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/standard_name= "Single nucleotide polymorphism"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Thiopurine S-methyltransferase; TPMT; enzyme; SNP; single nucleotide polymorphism; immunostimulant; haemostatic; antianaemic; gastrointestinal; ds.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0.4%; Score 18.4; DB 1; Length 20; 95.0%; Pred. No. 2e+02; ive 0; Mismatches 1; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 20 BP; 6 A; 6 C; 3 G; 5 T; 0 U; 0 Other;
Primer for manipulation of Clostridium protease.
                                                                                                                                                                                                                                                                  Burtscher H;
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replace(11,A)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         817 TGTCTACCTTTCCAGAAGC 836
                                                                                                                                                                                                                                                                                                                                                                                           Example 2; Page 24; 35pp; German.
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                                                                                                                                                                       20-DEC-1995;
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                                                                                                                                         27-JUN-1996.
                                                                             Synthetic
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                    New thiopurine S-methyltransferase (TPMT) polynucleotide, useful for preparing diagnostic and pharmaceutical compositions for diagnosing and treating a TPMT-associated disease, e.g. leukopenia, thrombocytopenia or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Human transcription termination factor binding protein 54 PCR primer 2.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ö
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                                                                                                                                                                                  (EPID-) EPIDAUROS BIOTECHNOLOGIE AG.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Claim 1; Page 34; 63pp; English.
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04-FEB-2003; 2003WO-EP001090.
                                                                                              04-FEB-2002; 2002EP-00001978.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Recombination of nucleic acid templates, useful e.g. for producing enzymes with altered properties, is based on cyclic extension of unpaired
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Rhodosporidium mutant TAL enzyme 3' region oligonucleotide SEQ ID NO:201.
                Human transcription termination factor binding protein 54 as one new kind of polypeptide and polynucleotides encoding this polypeptide.
                                                                                                 The invention relates to human transcription termination factor binding protein 54 useful in treating various diseases, such as malignant tumour, nosobaemia, HIV infection, immunological diseases and inflammations. The present sequence is that of a human transcription termination factor binding protein 54 PCR primer of the invention
                                                                                                                                                                                                                                                                             Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    nucleic acid template; recombined polypeptide;
                                                                                                                                                                                                                                       0.4%; Score 18.4; DB 1; Length 23; 95.0%; Pred. No. 2.1e+02; tive 0; Mismatches 1; Indels
                                                                                                                                                                                                        Sequence 23 BP; 9 A; 0 C; 4 G; 10 T; 0 U; 0 Other;
                                                                      Example 3; Page 17 Disclosure, 28pp; Chinese.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Disclosure, SEQ ID NO 201; 481pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          combined gene; ss.
                                                                                                                                                                                                                                                                                                                 4910 GAAAATGAATATGTTTATTT 4929
                                                                                                                                                                                                                                                                                                                                      2 GTAAATGAATATGTTTATTT 21
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Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               altered property;
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Rhodosporidium.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               recombination;
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The present invention describes a mouse (I), homozygous for a disruption in the alpha-L-iduronidase (IDUA) gene but with normal expression of the in the alpha-L-iduronidase (IDUA) gene but with normal expression of the hepatic sulphate transporter SAT-1 gene. (I) is used to evaluate the alpha described with iduronidase deficiency. (I) may also be used to pathology associated with iduronidase deficiency. (I) may also be used to pathology associated with iduronidase deficiency. (I) may also be used to specific tissue or organ in the mouse using the same techniques. Targeting systems which may be tested using this regime include a target. Targeting systems which may be tested using this regime include a target includase. (I) may also be used as a general model for studying the iduronidase. (I) may also be used as a general model for studying the pathology of MPS I. The SAT-1 gene overtiaps with the IDUA gene but in (I) pathological effects observed in (I) are due solely to the disruption of the IDUA gene. The present sequence represents a IDUA genemic DNA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 New transgenic mouse, useful for modeling lysosomal disorders and testing cell- or tissue-specific targeting systems.
processes and screening the polypeptides formed for properties different from those of polypeptides from either of the templates; and (3) (1) produced by method (2). The methods are useful for the recombination of nucleic acid templates of interest, and generation of a recombined polypeptide having altered properties. The method can be used to make combined genes that express proterins e.g. enzymes, cytokines, growth factors, viral proteins or microbial antigens with altered properties, e.g. stability, activity or specificity. The present sequence is used in the exemplification of the present invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Murine; mouse; alpha-L-iduronidase; IDUA; hepatic sulphate transporter; SAT-1; mucopolysaccharidosis type I; MPS I; transganic mouse; cell.specific targeting system; tissue-specific targeting system; lysosomal disorder; ss.
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0
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Murine alpha-L-iduronidase genomic DNA oligonucleotide #3.
                                                                                                                                                                                                                             Sequence 24 BP; 2 A; 7 C; 12 G; 3 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                               5063 AACTCGAGGGGGGCCCGGT 5082
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Best Local Similarity 95.0
Matches 19; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 335
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(BODE-) BODE GENE DEV
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infection; PCR;
                                                         WO200192318-A1.
                                                                                                                                                      Xie Y;
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                                      Unidentified
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                                                                            06-DEC-2001
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                                                                                                                                                     Mao Y,
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                                                                                                                                                                                                                                                                                                                                                                                                                                  The invention relates to a novel human zinc finger protein 27.50, and the polymuclootide encoding it. The polypeptide is useful for treating several diseases, such as solid tumour, nervous system disease, malignant disease of blood, development disturbance and HIV infection. The sequence represents a PCR primer used in example 3 of the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Kringle protein 14; cytostatic; haemostatic; virucide; immunomodulatory;
                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
oligonuclectide used in the exemplification of the present invention
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                                      24;
                                                         3; Indels
                                    Query Match
0.4%; Score 18.2; DB 1; Length
Best Local Similarity 87.0%; Pred. No. 2.2e+02;
Matches 20; Conservative 0; Mismatches 3; Indels
                   Sequence 24 BP; 20 A; 4 C; 0 G; 0 T; 0 U; 0 Other;
                                                                                                                                                                                                                      Human; zinc finger protein 27.50; PCR; primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 24 BP; 5 A; 0 C; 0 G; 19 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                  Example 3; Page 17 (Disclosure); 31pp; Chinese.
                                                                                                                                                                                                     Human zinc finger protein 27.50 PCR primer 2.
                                                                                                                                                                                                                                                                                                                                       (SHAN-) SHANGHAI BIODOOR GENE DEV CO LTD.
                                                                           5043 AAAAAAAAAAAAAAAAAAAAC 5065
                                                                                                                                                                                                                                                                                                                                                                                                Novel human zinc finger protein 27.50
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                                                                                             1 AAACAAAAACAAAAAACAAAAC 23
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                                                                                                                                             BP.
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                                                                                                                                                                                                                                                                                                                     07-SEP-2000; 2000CN-00125059
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                                                                                                                                             ABQ78896 standard; DNA; 24
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Best Local Similarity 87.0
Matches 20; Conservative
                                                                                                                                                                                                                                                                                                                                                                             WPI; 2002-520724/56.
                                                                                                                                                                                                                                                                                                                                                           Xie Y;
                                                                                                                                                                                                                                           Homo sapiens.
                                                                                                                                                                                  17-OCT-2002
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                                                                                                                                                                                                                                                            CN1341649-A.
                                                                                                                                                                                                                                                                               27-MAR-2002
                                                                                                                                                               ABQ78896;
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                                                                                                                                                                                                                                                                                                                                                          Mao Y,
                                                                                                                         RESULT 336
ABQ78896/c
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Kringle protein 14 and encoding polynucleotide, used in diagnosis and treatment of malignant tumors, hemopathy, human immunodeficiency virus infection, immunological diseases and inflammation.
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antiinflammatory; malignant tumour; haemopathy; inflammation; primer;
human immunodeficiency virus; HIV; immunological disease; RT-PCR; ss;
reverse transcriptase PCR.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gape
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          regulatory protein 28.27; cancer; cytostatic; HIV; primer; 88.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Match 0.4%; Score 18.2; DB 1; Length 24; Local Similarity 87.0%; Pred. No. 2.2e+02; les 20; Conservative 0; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 24 BP; 20 A; 3 C; 0 G; 1 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (SHAN-) SHANGHAI BIOWINDOW GENE DEV INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CO LTD SHANGHAI.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Example 2, Page 17; 37pp; Chinese.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        BP
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ID ABZ59876 standard; DNA; 24
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                                                                                          The invention relates to human protease regulatory protein 28.27, the polynucleotide encoding it, the process for preparing the polypeptide by DNA recombinant technology, the application of the polypeptide in treating diseases (e.g. cancer, HIV infection), an antagonist of the polypeptide and its medical function and the application of the polynucleotide. The present sequence is that of a human protease regulatory protein 28.27 PCR primer useful in examples of the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Typing genes that contain polymorphic microsatellite loci, useful for identifying predisposition to disease, by amplification and determining length of amplicons.
   Polypeptide human proteinase regulatory protein 28.27 and polynucleotide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Prion protein polymorphic microsatellite marker consensus sequence #30.
                                                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             gene typing; polymorphic microsatellite loci; PML; disease; disease predisposition; microsatellite marker; prion disease; cystic fibrosis; malignant hyperthermia syndrome; metabolic disease; milk protein; hormone; transcription factor; pT7-blue-vector; sheep;
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0
                                                                                                                                                                                                                                                                             Score 18.2; DB 1; Length 24; Pred. No. 2.2e+02; 0; Mismatches 3; Indels
                                                                                                                                                                                                                                            Sequence 24 BP; 2 A; 7 C; 11 G; 4 T; 0 U; 0 Other;
                                                               Example 2; Page 17 (Disclosure); 33pp; Chinese.
                                                                                                                                                                                                                                                                                                                                                         192 AGGCCCGGGAACGCATGTCCCCC 214
                                                                                                                                                                                                                                                                                                                                                                             23 AGGCCGGGGAACTCCGGTCCCCC 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADO81152 standard; DNA; 24 BP.
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.l Similarity 87.0%;
20; Conservative (
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                                  for coding
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Best Local &
                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT 339
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diseases and for prediagnosis of such diseases, especially prion diseases but also cystic fibrosis, malignant hyperthermia syndrome in pigs and metabolic diseases; also to type genes that encode milk proteins, hormones or transcription factors. The method is simpler, quicker and particularly less expensive than known methods based on sequencing. This sequence represents a prion protein polymorphic microsatellite marker
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   New nucleic acid molecules encoding rat KDR protein, useful for identifying inhibitors of KDR activity for treating cancer, ischemic ocular diseases, and inflammation.
                                                                                                                                                                                                               Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Rat; receptor tyrosine kinase; KDR; therapy; cancer; ischaemic ocular disease; proliferative retinopathy; inflammation; reverse transcription; RT; PCR; primer; SS.
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                                                                                                                                                                          ch 0.4%; Score 18.2; DB 1; Length 24; 1 Similarity 87.0%; Pred. No. 2.2e+02; 20; Conservative 0; Mismatches 3; Indels
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                                                                                                                                           Sequence 24 BP; 20 A; 4 C; 0 G; 0 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Rat KDR cytosolic domain cloning RT-PCR primer.
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Best Local Similarity
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                                                                                                                consensus sequence.
                                                                                                                                                                                     Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Rattus norvegicus
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PCR primers AAA63751-52 were used to amplify a murine cDNA sequence encoding a neutral endopeptidase metallopeptidase (NEP)-like polypeptide, designated NL-1. The specification also describes NL-2 and NL-3. The NL enzymes are used to test for specific inhibitors. The N-terminal region of the enzymes can be used to promote production and secretion of foreign protein and active biopeptides, using chimeric constructs containing the foreign protein adventagem from and in phase with the N-terminal region. The N enzymes are have been localised to the brain, and may be useful in the treatment of neurological diseases such as Alzheimer's disease, pain, and psychiatric disorders. NL enzymes have also been localised to the testis and ovaries, and may be used to control fertility. They have also been localised to bones, and may be used to creat bone diseases, and any be used to treat bone diseases, and any be used to improper peptide processing by
neurological disease; Alzheimer's disease; pain; psychiatric disorder; fertility; bone disease; abnormal phosphate metabolism; PCR primer; ss.
                                                                                                                                                                                                                                                                                                    Novel neutral endopeptidase-like metallopeptidase polypeptides and polynucleotides, used to screen for related sequences and enzyme inhibitors, used for the treatment of NL-3 related bone disorders.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 22;
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100.0%; Pred. No. 2.2e+02;
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                                                                                                                                                                                                                                                                                                                                                                   Disclosure, Page 12, 59pp, English.
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                                                                                                                                                                          99CA-02260376
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les 18; Conserv
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                                                                             40200047750-A2
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                                                                                                             17-AUG-2000
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       The invention relates to a signal amplification method (M1) for detecting expressed gene using reverse transcription reaction and a self-assembly reaction of forming a self assembly of oligonucleotide probes, thus improving detection sensitivity of the expressed gene in a DNA chip. (M1) is useful for aignal amplification method (M1) for detecting expressed gene (claimed). (M1) improves detection sensitivity of the expressed gene in a DNA chip (claimed). (M1) does not require use of expressive enzymes and enables detection corresponding to the original RNA length oxpression amount because of using naither linear amplification nor PCR. This sequence corresponds to a nucleotide used in the method of the
                                                                                                                                                                                                       вв; signal amplification method; gene expression; reverse transcription; self-assembly reaction; DNA chip.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Signal amplification method for detecting expressed gene, by using reverse transcription reaction and self-assembly reaction of oligonucleotide probes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Neprilysin; neutral endopeptidase metallopeptidase-like enzyme;
NEP-like enzyme; protein production; protein secretion;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 18; DB 1; Length 18; Pred. No. 2.1e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PCR primer used to amplify cDNA encoding murine NL-1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 18 BP; 0 A; 0 C; 0 G; 18 T; 0 U; 0 Other;
                                                                                                                                                                        Nucleotide #4 for signal amplification method
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0.4%; Scor.
100.0%; Pred. No. 4.-...
0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Disclosure; SEQ ID NO 4; 27pp; Japanese.
                                                                                                                                                                                                                                                                                                                                                                                                                 (PALM-) PALMA BEEZ RES INST CO LTD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 5025 AAAAAAAAAAAAAAA 5042
                                                                             ADR57967 standard; DNA; 18 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAAAAAAAAAAAAA 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAA63751 standard; DNA; 22 BP.
                                                                                                                                                                                                                                                                                                                                                                                  14-FEB-2003; 2003JP-00037212,
                                                                                                                                                                                                                                                                                                                                                    13-PEB-2004; 2004WO-JP001588
 18 AAAAAAAAAAAAAAA
                                                                                                                                          (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Local Similarity 100.
                                                                                                                                                                                                                                                                                                                                                                                                                                                Usui M, Fujikawa T;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WPI; 2004-642306/62.
                                                                                                                                                                                                                                                                                   WO2004072302-A1.
                                                                                                                                                                                                                                                       Unidentified
                                                                                                                                          18-NOV-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           04-DEC-2000
                                                                                                                                                                                                                                                                                                                   26-AUG-2004.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               18
                                                                                                             ADR57967
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           RESULT 342
AAA63751
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Matches
                                                             셤
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Gape

Zezin-Sonkin D, Shlomit G;

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The present invention relates to a method for sorting genes. The method comprises producing first double stranded (ds) cDNA from mRNA by reverse transcription using a poly-T primer. The ds cDNA is then digested with a restriction enzyme that generates cohesive ends with overhanging single correction enzyme that generates cohesive ends with overhanging single stranded sequence containing a constant number of nucleotides, and the digestion products are ligated to a set of ds DNA oligonucleotide and adaptors. Each adaptor has at one end, a sequence complementary to a cossible overhang and the other end a primer-template sequence specific for the adaptor complementary sequence, and between these two ends the amplified in separate PCR says, using for each a primer that anneals to solyr and a second primer, from a set that anneals to the cDNA specific polyr and a second primer, from a set that anneals to the cDNA specific copyramer-template sequences. Amplicons are finally sorted into noncredundant groups defined by the specific primer that annealed to the primer-template sequence and thus primed PCR. The method is useful for primer-template sequence and thus primed PCR. The method is useful for cevery expressed-gene transcript in the original sample is represented by its own subgroup. The method is also useful for isolation, indentification can analysis and diagnosis of diseases, for studying coll differentiation and in gene therapy. The present sequence was used
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Human; salivary gland; stem cell; hSGSC; CD49f-positive; differentiation; liver; pancreas; nestin-positive cell; albumin-positive cell; insulin-positive cell; glucagon-positive cell; organ regeneration; organ transplant; hepatotropic; Pdx-1; reverse transcription-PCR;
                                                                                                                                     Sorting genes into non-redundant groups, useful e.g. for gene isolation, diagnosis and in gene therapy, by amplifying cDNA fragments attached to selective adaptors.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match

0.4%; Score 17.8; DB 1; Length 21;
Best Local Similarity 90.5%; Pred. No. 2.3e+02;
Matches 19; Conservative 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 21 BP; 4 A; 6 C; 6 G; 5 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human Pdx-1 reverse RT-PCR primer, SEQ ID NO:10.
                                                         Einat P,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  expression analysis; RT-PCR; primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 2851 CCAGAGGATCCTGCCATAGCA 2871
                                                                                                                                                                                                                                      Example 2; Fig 13; 67pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ccagaggarccrgcrgragea 1
                                                              Ulanovsky L, Mugasimangalam R,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADR32218 standard; DNA; 22 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               20-FEB-2004; 2004WO-JP002002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         20-FEB-2003; 2003JP-00043339
                  (QBIQ-) QBI ENTERPRISES LTD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (BIOS-) BIOS RES INST INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (first entry)
                                                                                                       WPI; 2001-626451/72.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              MO2004074465-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 18-NOV-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADR32218;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RESULT 344
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Gaps .. 0

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The invention relates to an isolated CD49f-positive adult human salivary CC gland stem cell (hSGSC) which is capable of differentiating into cells characteristic of various organs such as the liver or pancreas when cultured in vitro. Specifically, the hSGSCs are capable of differentiating into nestin-positive and albumin-positive cells, insulince differentiating into nestin-positive and albumin-positive cells, insulince the differentiated cells produced from MSGSCs; methods of inducing differentiation of hSGSCs into nestin-positive/albumin positive, insulince of a fibroblast growth factor, epithelial cell growth factor and cells produced in the presence of a fibroblast growth factor, epithelial cell growth factor and cells was an in the presence of epithelial cell collawary gland and culturing them in the presence of epithelial cell companies. The regenerated organs eliminate transplant rejection, as the stem cells used to produce the organs are taken from the patient.

CC squences ADR32209-ADR32230 represent reverse transplant rejection, as the prime used to analyse gene expression in hSGSCs in an example of the
                                                                                                             New isolated human stem cell from a salivary gland, capable of differentiating into a nestin-positive and albumin-positive cell, insulin positive and glucagon-positive cell, for use in the regeneration of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Rat; cerebellum derived growth factor; CDGF1; screening; binding; modulation; erbB type receptor; identification; indication; risk; proliferation; differentiation; induction; neuron; hyperplasia; stem cell culture; intracerebral graft; alleviation; repair; behavioural defect; nervous system; central; peripheral; nerve; prothesis; damage; entubulation; cell survival; treatment; injury; trauma; ischaemia; ischemia; stroke; infection; disorder; inflammation; neurodegeneration; disease; Parkinson's; Huntingdon's; amylotrophic lateral solerosis; sensory; retina; spinocerebellar degeneration; multiple sclerosis; neoplasia; amalignant glioma; medialloblastoma; neuroectodermal tumour; primer;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     .
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0.4%; Score 17.8; DB 1; Length 22; 90.5%; Pred. No. 2.3e+02; tive 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Primer for rat cerebellum derived growth factor 1 cDNA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           polymerase chain reaction; PCR; amplification; ss
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 22 BP; 8 A; 3 C; 9 G; 2 T; 0 U; 0 Other;
                                                                                                                                                                                                                              Example 3; SEQ ID NO 10; 28pp; Japanese.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               2902 ATGACAGAGGAAGAGAC 2922
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 Argccagaggagagaggg 21
                                       Nakamura K;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAT87932 standard; cDNA; 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               18-DEC-1997 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Local Similarity 90.5
nes 19; Conservative
                                           Okumura K,
                                                                                 WPI; 2004-642513/62.
(ENDO/) ENDO F.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAT87932;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
                                         Endo F,
                                                                                                                                                                                          liver.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           RESULT 345
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96WO-US014484.

09-SEP-1996;

WO9709425-A1 13-MAR-1997.

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Matches
                                                                                                                                                                                                                                                                                                                                                                                     RESULT 347
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                                                                                                                                                                                                                                                                                                                                              a
                                                                                                                                                                                                                                                                                                                                                                                                                          The present sequence is a primer for the PCR amplification of rat
cerebellum derived growth factor 1 (CDGF1) cDNA. CDGF can be used to
screen for modulators of CDGF binding to erbB type receptors.
Identification of a modification or mutation in a CDGF gene, or aberrant
carpession of a CDGF gene or levels of soluble CDGF may be used to
indicate the risk of unwanted cell proliferation or differentiation. CDGF
may be used to induce neuronal differentiation in stem cell culture, and
maintain the integrity of a terminally differentiated neuronal cell
culture, e.g. useful for intracerebral grafting to alleviate behavioural
defects. CDGF may also be used in nerve protheses to repair central and
peripheral nerve damage, especially where a crushed or severed axon is
culture, the central for peripheral nervous system, to treat
cell survival in the central or peripheral nervous system injury, e.g.
traumatic, chemical or vesal injury and deficits such as ischaemia
cell survival metrodescentative disease including Parkinson's and Huntingdon's,
amylotrophic lateral sclerosis, spinocerebellar degeneration, chronic
chronic neurodegenerative disease including multiple sclerosis,
disporders of the sensory neurons and degeneration, e.g.
CDGF may also be used to treat neoplastic or hyperplastic
cransformations, particularly of the central nervous system, e.g.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Ribozyme; hairpin; hammerhead; gene therapy; vasotropic; restenosis; ss.
                                                                                                                       Rat and human cerebellum-derived growth factors - used in the treatment of neuronal injury and proliferative disorders.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                              amalignant gliomas, medulloblastomas and neuroectodermal tumours
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0.3%; Score 17.4; DB 1; Length 19; 94.7%; Pred. No. 2.4e+02; ive 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 19 BP; 5 A; 4 C; 8 G; 2 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         cdk-we-hu ribozyme binding site #162.
                                                                                                                                                             Example; Page 57; 94pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1 GAATTCGGCACGAGGCAG 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             19 GAATTCGGCACGAGGGAG 37
                                  (HARD ) HARVARD COLLEGE.
(STRD ) UNIV LELAND S STANFORD.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAA83687 standard; DNA; 19 BP
            95US-00525864.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    99WO-US028772.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  04-DEC-2000 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity 94.7
Matches 18; Conservative
                                                                                                WPI; 1997-192900/17.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (IMMU-) IMMUSOL INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WO200032765-A2.
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            08-SEP-1995;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Mammalia.
                                                                        Chang H;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT 346
AAA83687/c
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Human, ribozyme therapy; hairpin ribozyme; hammerhead ribozyme; recognition site; target; ribozyme binding site; eye disease; vulnerary; proliferative disease; skin disease; psorifasis; diabetic retinopathy; cytokine; inflammation; cell-cycle dependent kinase; cyclin; MWP; matrix metalloproteinase; growth factor; reductase; scarring; cytostatic; antipsoriatic; dermatological; antiseborrheic; antidiabetic; virucide; antisickling; ophthalmological; scarcinfic; squamous cell carcinoma; actopic dermatitis; actinic keratosis; squamous cell carcinoma; basal cell carcinoma; seborrheic wart; vitreoretinopathy; scar;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Treating proliferative skin or eye diseases and scarring, using ribozymes that cleave RNA encoding cytokines involved in inflammation, matrix metalloproteinases, growth factors and cell-cycle dependent kinases.
                                                                                                                                                                                                                                                                                                                                                                           The present invention relates to a hairpin or hammerhead ribozyme, designed to cleave RNA encoding a cyclin or cell-cycle dependent kinase other than cell-cycle dependent kinases CDK1, PCNA and Cyclin B1.

Representative examples of ribozyme recognition sites are given in AAA82415 to AAA68797. The ribozyme of the invention is useful for inhibiting restenosis by introduction of the ribozyme into cells. The ribozyme is resistant to endonuclease activity and hence is efficient in
                                                                                                                                                  New hairpin and hammerhead ribozyme for inhibiting restenosis, cleaves RNA encoding a cyclin or cell-cycle dependent kinase other than CDK1, PCNA and Cyclin B1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1) 13%; Score 17.4; DB 1; Length 19; larity 94.7%; Pred. No. 2.4e+02; Conservative 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 19 BP; 7 A; 2 C; 6 G; 4 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Cdk-we-hu ribozyme binding site SEQ ID NO:1273.
   Barber JR, Robbins JM,
                                                                                                                                                                                                                                                                                                        Disclosure, Page 65; 109pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1215 AGATCCTTCAACTCCGCTT 1233
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      19 AGATCCTTCAACTCTGCTT 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   26-OCT-2000; 2000WO-US029500
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               sickle cell retinopathy; ss
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAH58849 standard, DNA; 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      10-SEP-2001 (first entry)
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Welch PJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       restenosis treatment
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WPI; 2001-300427/31.
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                                                                          WPI; 2000-412314/35.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Local Similarity
tes 18; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Bapiens
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAH58849;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
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Gaps

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Indels

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0; Mismatches

Conservative

18;

Matches

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The present invention describes a method for treating a proliferative skin or eye disease and scarring. The method involves administering a ribozyme (I) which cleaves RNA encoding a cytckine involved in inflammation, matrix metalloproteinase (MMP), cyclin, cell-cycle dependent kinase, growth factor or a reductase, or administering a nucleic acid molecule (II) comprising a promoter operably linked to a nucleic acid segment encoding (I). (I) can have antipsoriatic, antisickling, christoportheic, antidiabetic, antisickling, ophthalmological, cytostatic, antisebortheic, antidiabetic, antisickling, ophthalmological, vulnerary, keratolytic and virucide activities, and is seen therapy. (I) and (II) are useful for treating proliferative skin diseases such as psoriasis, atopic dermatitis, actinic keratosis, squamous or basal cell carcinoma and viral or sebortheic wart. They can also be used for treating proliferative eye diseases such as diabetic retinopathy, vitreoretinopathy, sickle cell retinopathy, retinopathy of prematurity and retinal detachment, and for treating and preventing scarring such as keloid, adhesion and hypertrophic or hypertrophic burn car and such as the present invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     The present invention relates to von Willebrand factor. The present sequence represents a primer used in the methods of the present invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Method for purifying factor VIII using chimera antibody to von Willebrand
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Kim BJ;
                                                                                                                                                                                                                                                                                                                                                                                                            Local Similarity 94.7%; Score 17.4; DB 1; Length 19; Local Similarity 94.7%; Pred. No. 2.4e+02; Conservative 0; Mismithton
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Primer #24 in invention relating to von Willebrand factor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Lee JM,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 20 BP; 1 A; 10 C; 6 G; 3 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                               Sequence 19 BP; 7 A; 2 C; 6 G; 4 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              oh HG,
Example 1; Page 164; 408pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Lee JS,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Von Willebrand factor; primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1215 AGATCCTTCAACTCCGCTT 1233
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Disclosure; Page 4; 12pp; Korean.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (GREC ) KOREA GREEN CROSS CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAS14499 standard; DNA; 20 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     19 AGATCCTTCAACTCTGCTT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   98KR-00002265
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  06-JUN-2002 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WPI; 2000-547436/50.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Kim JS,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Unidentified
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              KR99066382-A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   24-JAN-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     24-JAN-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  16-AUG-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAS14499;
                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Kim HC,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      factor
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Matches
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Score 17.4; DB 1; Length 20; Pred. No. 2.4e+02;

0.3%;

Query Match Best Local Similarity

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Gaps

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                                                                                                                                                                                                                                                         apolipoprotein B; ApoB; antiarteriosclerotic; cardiant; antidiabetic; anorectic; lipid; cholesterol metabolism; atherosclerosis; diabetes Type 2; obesity; hyperlipidaemia; cardiovascular; gene therapy; antisense; 2'-O-methoxyethyl gapmer; phosphorothioate backbone; 2'-MOE;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                New antisense compound, useful for preparing a composition for treating abnormal lipid or cholesterol metabolism, atherosclerosis, diabetes Type 2, obesity, hyperlipidemia or cardiovascular disease.
                                                                                                                                                                                                                          2'-MOE gapmer antisense oligo targeted to rabbit ApoB DNA - SEQ ID 850.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0.3%; Score 17.4; DB 1; Length 20; 94.7%; Pred. No. 2.4e+02; ive 0; Mismatches 1; Indel8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 20 BP; 10 A; 1 C; 7 G; 2 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Claim 1; SEQ ID NO 850; 405pp; English.
5063 AACTCGAGGGGGGCCCGG 5081
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    2903 TGACAGAGGAAGAGA 2921
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                              20 Accrecadedededeceee
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AD033402 standard; DNA; 20 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    15-MAY-2003; 2003WO-US015493.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     15-MAY-2002; 2002US-00147196.
13-NOV-2002; 2002US-0426324P.
                                                                                                                    ADH18861 standard; DNA; 20
                                                                                                                                                                                       11-MAR-2004 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (ISIS-) ISIS PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Graham MJ;
                                                                                                                                                                                                                                                                                                                                                                  Oryctolagus cuniculus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             are 5-methylcytidines.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WPI; 2004-022840/02.
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Best Local Similarity
Matches 18; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                   WO2003097662-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                    27-NOV-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Crooke RM,
                                                                                                                                                                                                                                                                                                                                human; ss
                                                                                                                                                      ADH18861;
                                                                                   RESULT 349
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 350
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ID ADO3
                                                                                                    ADH1886
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The invention relates to a novel antisense compound where the compound hybridises to and inhibits expression of mRNA encoding human apolipoprotein B (App8) after 16-24 hours by at least 30% in 80% confluent HepG2 cells in culture at a concentration of 150 nM. The compound of the invention demonstrates cardiovascular, the confluent HepG2 cells in culture at a concentration of 150 nM. The compound of the invention demonstrates cardiovascular, the cardiant, vasotropic, hypotensive, anabolic, eating disorder-related, cytostatic, vasotropic, hypotensive, anabolic, eating disorder-related, cytostatic, che useful for inhibiting the expression of apolipoprotein B in cells or tissues in vivo in order to address a condition associated with abnormal lipid or cholesterol metabolism. The compound may be useful for cholesterol metabolism. The compound may be useful for cholesterol levels, lipid levels, tatty acid levels, acute phase cholesterol levels, lipid levels, tatty acid levels, acute phase reactants and chylomicrops and thus may be utilised during treatment of hyperipoproteinnemia, hypertlipidaemia, hyperthyroidism, hypertension, cardiovascular disorders, Von Gierk's disease, lipodystrophy, cardiovascular disorders, Von Gierk's disease, lipodystrophy, candiovascular acidiotic dwarfism, hyperthyroidism, hypertension, impotence, obstructive liver disease, Altheimer's disease, dementia, chapters of antisense 2' MDS (2'-methoxyethyl) gapmer oligo of the invention which is
                                                                                                                                            apolipoprotein B, ApoB, cardiovascular, antiarteriosclerotic, antidiabetic; anorectic, cardiant; vasotropic; hypotensive, antabolic; eating disorder; cytostatic; endocrine; vasotropic; hypotensive, neuroprotective; noctropic, lipid; cholesterol metabolism; hyperlipoproteinaemia, hyperlipidsemia, hypercholesterolaemia; hyperlipoproteinaemia, hyperlipidsemia, hypercholesterolaemia; sexual atcliotic darfigm; hyperthyroidism; hypertension; sexual atcliotic darfigm; hyperthyroidism; hypertension; anorexia nervosa; Werner's syndrome; hepatoma; multiple myeloma; uraemia; impotence; obstructive liver disease; Alzheimer's; dementia; diabetes; obesity; atherosclerosis; antisense; 2'-MOE gapmer; 2'-methoxyethyl wing;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        /note= "OTHER = Phosphorothioate backbone, bases 1-5
16-20 2'-MOE wing bases, all cytidine residues are 5-
methylcytidines"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Antisense oligonucleotide compound that inhibits expression of mRNA encoding human apolipoprotein B, useful for treating hyperlipidemia, diabetes, obesity, von Gierke's disease, lipodystrophies, Cushing's
                                                                                                          Antisense 2'-MOE gapmer oligo targeted to rabbit ApoB - SEQ 850
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Dobie KW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Lemonidis-Tarbet K,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Example 42; SEQ ID NO 850; 483pp; English.
                                                                                                                                                                                                                                                                                                                                                                              phosphorothioate backbone; rabbit; ss
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      mod base= OTHER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     13-NOV-2003; 2003WO-US036411.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               13-NOV-2002; 2002US-0426234P.
15-MAY-2003; 2003WO-US015493.
                                                                (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ...20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (ISIS-) ISIS PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                          Oryctolagus cuniculus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Graham M,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         WPI; 2004-420321/39.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WO200404181-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        modified_base
                                                                12-AUG-2004
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Crooke R,
                       ADO33402;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        syndrome
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The present sequence is that of a single mismatch target sequence for a molecular beacon comprising an oligonucleotide probe (see ABL57069) covalently attended at the 3' end to fluorescent dye and at the 5' end to a nanoparticle. In the native state, the probe forms a hairpin conformation with hybridised termini. The probe forms a hairpin and quencher (gold nanoparticle) in the molecular beacon results in little or no detectable fluorescence upon hybridisation of the central complementary stretch of the probe to a target sequence, such as the present sequence, the hairpin undergoes a conformational change resulting in an increase in fluorescence, the extent of which is proportional to the amount of target sequence present. Experiments with the present sequence and a perfectly-matched target (see ABL57071) showed that sequence and a perfectly-matched target (see ABL57071) showed that change the proportion and conformation for the use of metal surface quenchers such as particles or films for high sensitivity applications in, for example, detection and
                                                                       ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sensitively detecting proximity changes in a system that utilizes an interacting fluorophore and quencher, for high sensitivity applications, involves utilizing a metal surface as quencher.
                                                                                                                                                                                                                                                                                                                                                                                          Molecular beacon; fluorophore; nanoparticle; nucleic acid detection; ss.
                                                                         Gape
                                                                       ;
0
                              Score 17.4; DB 1; Length 20;
Pred. No. 2.4e+02;
0; Mismatches 1; Indel8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0.3%; Score 17.4; DB 1; Length 21; 94.7%; Pred. No. 2.4e+02;
                                                                                                                                                                                                                                                                                                                                                       Molecular beacon target sequence (single mismatch).
Sequence 20 BP; 10 A; 1 C; 7 G; 2 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Seguence 21 BP; 14 A; 4 C; 2 G; 1 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        /*tag= a
/note= "mismatch site"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Libchaber A;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Example 3, Page 62, 62pp; English.
                                                                                                          2903 TGACAGAGGAAGAAGA 2921
                                                                                                                                         1 TGACAGATGAAGAGA 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   29-AUG-2001; 2001WO-US041941.
                                  0.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        29-AUG-2000; 2000US-0228728P.
30-MAR-2001; 2001US-0280350P.
                            Query Match 0.34;
Best Local Similarity 94.78;
Matches 18; Conservative
                                                                                                                                                                                                                                       ABL57072 standard; DNA; 21
                                                                                                                                                                                                                                                                                                                22-JUL-2002 (first entry)
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Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WO200218951-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   misc_feature
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 37-MAR-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                Synthetic
                                                                                                                                                                                                                                                                              ABL57072;
                                                                                                                                                                                                    RESULT 351
                                                                                                                                                                                                                      ABL57072
ID ABL
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The DNA primer is used with primers AAQ92370-77 in the reverse transcription-polymerase chain amplification of alpha- lactalbumin from MA104 cells and topoisomerase-IIa from Jurkat cells. Amplification is carried out using DNA-polymerase Ifil from Thermus fillformis (AAR76060) (Updated on 25-MAR-2003 to correct PN field.)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             New heat-stable DNA polymerase from Thermus filliformis - has reverse transcriptase activity in the presence of magnesium ions.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human; FD23; cytostatic; haemostatic; virucide; immunomodulatory; antiinflammatory; malignant tumour; haemopathy; HIV infection; immunological disease; inflammatory condition; PCR primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0.3%; Score 17.4; DB 1; Length 2. 94.7%; Pred. No. 2.5e+02; rative 0; Mismatches 1; Indels
                                                                                                                                                                                                      DNA-polymerase; Tfil; thermostable enzyme;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 23 BP; 5 A; 4 C; 4 G; 10 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PCR primer specific for cDNA encoding human FD23.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Reeves RA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Disclosure; Page 11; 40pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gibbs MD,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            3450 TAAGCAGATGATGGAAAT 3468
                                                                                                                                                                                                                                                                                                                                                                                                                                              (PACI-) PACIFIC ENZYMES 1993 LTD.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     19 TAAGCAGATCATGGAAAAT 1
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                                                                                                                                                                                                                                                                                                                                                                                                           93NZ-00250288.
                                                                                                                                                                                                                                                                                                                                                                   94WO-NZ000135.
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                               AAQ92371 standard; DNA; 23
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                                                                                                                                 (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Day DJ,
                                                                                                              (revised)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WPI; 1995-206929/27.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Local Similarity
Les 18; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WO200138525-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Bergquist PL,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   07-SEP-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                               25-NOV-1993;
                                                                                                                                                                                                                                                                                                                                                                       23-NOV-1994;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         31-MAY-2001
                                                                                                          25-MAR-2003
28-OCT-1995
                                                                                                                                                                                                                                                                                          WO9514770-A1
                                                                                                                                                                                                                                                                                                                                01-JUN-1995.
                                                                                                                                                                                                               DNA primer;
                                                                                                                                                                         DNA primer
                                                                                                                                                                                                                                                    Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAH45480;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
                                                                         AAQ92371;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RESULT 354
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Matches
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              AAQ92371,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        a
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               The invention relates to the use of acylated aminopropane diols and their analogue (I), their optical and geometric isomers, racemates, salts, and mixtures in pharmaceutical compositions for the treatment of pathological states in which there is lipid or carbohydrate metabolism disturbance, inflammation, and/or cell differentiation or proliferation disturbance. The compounds are useful for the treatment of lipid and carbohydrate metabolism disorders such as syndrome X, diabetes, atherosclerosis and obesity, inflammatory disorders such as atherosclerosis, allergies, asthma, eczema, psoriasis, and itching, and cell proliferation and differentiation disorders such as carcinogenesis. In an example of the invention, the effectiveness of the compounds to activate peroxisome proliferator-activated receptor (PPAR) genes was tested by gene analysis using PCR. This sequence represents a primer used in the PCR analysis.
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                                                                                                                                                                                                                                                                                                                             anspectic; analgesic; antianginal; antidiabetic; antiarteriosclerotic; anorectic; antiallergic; antiasthmatic; dermatological; antipsoriatic; cytostatic; peroxisome proliferator-activated receptor activator; acylated aminopropane diol; lipid metabolism disorder; carbohydrate metabolism disturbance; inflammation; cell differentiation; proliferation; syndrome X; diabetes; atherosclerosis; obesity; atherosclerosis; allergy; asthma; eczema; psoriasis; itching; carcinogenesis; PPAR; gene analysis; PCR primer.
                                                                                                                                                                                                                                                                                            Acetylated aminopropane diol activated PPAR gene analysis PCR primer #1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Uge of acylated aminopropane diols and their analogs, for the treatment of lipid and carbohydrate metabolism disorders, inflammatory disorders and cell proliferation and differentiation disorders.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ö
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Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 22 BP; 5 A; 7 C; 5 G; 5 T; 0 U; 0 Other;
.;
T
  0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Example 18; Page 70; 113pp; French.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 4464 AGTTGTCCAGGAAATTCAG 4482
                                         5050 AAAAAAAAAAAAAAACTCG 5068
                                                                  2 AAAAAACAAAAAAACTCG 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       21 AGTIGICCAGGAGATICAG 3
                                                                                                                                                                                 BP
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             12-FEB-2003; 2003FR-00001689
                                                                                                                                                                               ADR42646 standard; DNA; 22
                                                                                                                                                                                                                                                             (first entry)
    Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WPI; 2004-583504/57.
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Matches 18; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (GENF-) GENFIT SA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FR2850869-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Ното варіепв.
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                                                                                                                                                                                                                                                             04-NOV-2004
    18;
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                                                                                                                                                                                                                         ADR42646;
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Gaps

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Length 23;

Mao Y,

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including autoimmune diseases, degenerative nervous system diseases, graft versus host diseases, hypersensitivity diseases, infectious diseases and neoplastic diseases. Autoimmune diseases include Addison's diseases, atrophic gastritis. Degenerative nervous system diseases include multiple sclerosis and Alzheimer's disease. Hypersensitivity diseases include Type I hypersensitivities such as contact with allergens that lead to allergies, Type II hypersensitivities such as those present in Goodpasture's syndrome and Type IV hypersensitivities such as those manifested in leprosy. Infectious diseases include viral infections caused by viruses such as HIV, fungal infections such as those caused by schistosomes, filaria and bacterial infections such as those caused by wichselve and bacterial infections such as those caused by Mycobacterium. Neoplastic diseases include lymphoproliferative diseases
                                              Kit for diagnozing and treating T-cell associated diseases e.g. autoimmune, degenerative nervous system and infectious disease, comprises nucleic acid primers specifically priming and allowing amplification of a Vbeta gene.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                breast. The present sequence represents a Vbeta gene repeat sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Novel nucleic acid obtained from 4 synthesis-period of neuroblastoma cells useful for prognosing and determining progress stage of
                                                                                                                                                                                                                                              The invention relates to a kit for diagnosing and treating T-cell associated diseases which comprises a panel of nucleic acid primers specifically priming and allowing amplification of each Vbeta gene, VbetaRNA or CDNA. The kit is useful for diagnosing organ transplant rejection and diagnosing and treating T-cell associated diseases
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            4 synthesis-period of neuroblastoma related primer, SEQ ID 324.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human, 4 synthesis-period; neuroblastoma; stage 4S; primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         such as leukaemias, lymphomas and cancers such as cancer of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 17.2; DB 1; Length 22;
Pred. No. 2.6e+02;
0; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 22 BP; 18 A; 4 C; 0 G; 0 T; 0 U; 0 Other;
                                                                                                                                                                                               Disclosure; SEQ ID NO 808; 164pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   5065
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   5044 AAAAAAAAAAAAAAAAAAC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (HISM ) HISAMITSU PHARM CO LTD.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              뮵
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADO16062 standard; DNA; 22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           29-JUL-2004 (first entry
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Best Local Similarity 86.4
Matches 19; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (CHIB-) CHIBA PREFECTURE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Ohira M;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WPI; 2004-390323/36.
                            WPI; 2004-059052/06.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               13-MAY-2004.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADO16062;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT 356
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  셤
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ö
                                                                                                                                                                                                                                                                                                                                           This invention relates to the human FD23 protein and the CDNA sequence encoding it. Included in the invention is a vector containing a FD23 encoding polynucleotide, a host cell containing the vector, and an antibody directed against FD23. Both the FD23 protein, and CDNA encoding it can cause cytostatic, haemostatic, virucide, immunomodulatory or amitinfilmmatory activity, when used in the diagnosis and treatment of malignant tumours, haemopathy, HIV infection, immunological disease and various inflammatory conditions. The present sequence represents a PCR
                                                                                                                                                                                             Human FD 23 and encoded polynucleotide, used in diagnosis and treatment of malignant tumors, hemopathy, human immunodeficiency virus infection, immunological diseases and inflammation.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       degenerative nervous system disease; graft versus host disease; hypersensitivity disease; infectious disease; neoplastic disease; Addison's disease; atrophic gastritis; degenerative nervous system disease; multiple sclerosis; Alzheimer's disease; hypersensitivity disease; type I hypersensitivity; Goodpasture's syndrome; type II hypersensitivity; Goodpasture's syndrome; type IV hypersensitivity; leprosy; infectious disease; viral infection; HIV; fungal infection; Candida; parasitic infection; schistosome; filaria; bacterial infection; Mycobacterium; neoplastic disease; lymphoproliferative disease; leukaemia; lymphoma; cancer; brain cancer;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                human; T-cell associated disease; Voeta; autoimmune disease;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0.3%; Score 17.4; DB 1; Length 23; 94.7%; Pred. No. 2.5e+02; ive 0; Mismatches 1; Indele
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 23 BP; 2 A; 12 C; 7 G; 2 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     primer specific for cDNA encoding human FD23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Human Vbeta gene repeat sequence #404.
                                              (BIOR-) BIOROAD GENE DEV LTD SHANGHAI.
                                                                                                                                                                                                                                                                                                  Example 2; Page 12; 31pp; Chinese.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     5063 AACTCGAGGGGGGCCCGG 5081
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  20 ACCTCGAGGGGGGGCCCGG 2
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99CN-00124048
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95US-00531241
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                                                                                                                                              WPI; 2001-355933/37.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       L
E
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US2002150891-A1.
                                                                                                  Xie Y;
22-NOV-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                05-MAR-1999;
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19-SEP-1995;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       доон (/доон
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RESULT 355 ADH70614

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Gapa

Claim 8; SEQ ID NO 324; 455pp; Japanese.

neuroblastomas.

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Analyzing a target nucleic acid sequence in a biological material by real time PCR using nucleic acid primers that are separated by at least 750 nucleic acid residues in the target sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         The invention relates to a novel method for analysing a target nucleic acid sequence in a biological material. The method comprises adding at least two nucleic acid primers that hyportalise under stringent conditions to predetermined nucleic acid sequences of the target nucleic acid sequence that are separated by at least 750 nucleic acid residues, amplifying the target nucleic acid sequence by FCR, and detecting and quantifying the target nucleic acid sequence. The methods and compositions of the present invention are useful for analyzing a target nucleic acid sequence. The methods and a target nucleic acid sequence in a biological material by real time PCR using nucleic acid primers that are separated by at least 750 nucleic acid residues in the target sequence. This polynucleotide sequence represents
                                                   The present invention relates to human nucleic acid sequences (I; ADO15739-ADO15912) obtained from 4 syntheeis-period (stage 4S) of neuroblastoma cell. (I) is useful for prognosing and determining the progress stage of 4 synthesis-period of neuroblastoma. The present sequence is a primer, used to illustrate the invention.
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                                                                                                                                                                                                   0.3%; Score 17.2; DB 1; Length 22;
86.4%; Pred. No. 2.6e+02;
iive 0; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               residues in the target sequence. This polynucleotide s
a primer used in the exemplification of the invention.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 22 BP; 6 A; 7 C; 3 G; 6 T; 0 U; 0 Other;
                                                                                                                                                                    Sequence 22 BP; 3 A; 6 C; 4 G; 9 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Hepatitis B virus real time PCR primer, SEQ ID
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  analysis; target; real time PCR; primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Disclosure; SEQ ID NO 33; 96pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gillmeister L, Marlowe K,
                                                                                                                                                                                                                                                                                3990 GGGCCTCATCACTTCCTTTGCT 4011
                                                                                                                                                                                                                                                                                                 1 GGTCATCATCAGTTCCTTTGCT 22
                                                                                                                                                                                                                                                                                                                                                                                                           BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                10-FEB-2004; 2004WO-US002012.
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                                                                                                                                                                                                                                                                                                                                                                                                          ADR32106 standard; DNA; 22
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                                                                                                                                                                                                              0.3
Best Local Similarity 86.4
Matches 19; Conservative
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Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WPI; 2004-625843/60.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Hepatitis B virus.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Mckenney K,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                26-AUG-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  18-NOV-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                               ADR32106
                                                                                                                                                                                                                                                                                                                                                                                            ADR32106,
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Gaps

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0.3%; Score 17.2; DB 1; Length 22; illarity 86.4%; Pred. No. 2.6e+02; Conservative 0; Mismatches 3; Indels

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The invention relates to a method of determining (MI) level of potentially active biological pathogens in biological material, involves contentially active biological pathogens in biological material, adding at least two nucleic acid sequences by PCR, and detecting and and annihitying target nucleic acid sequences by PCR, and detecting and annihitying target nucleic acid sequences, where quantity of the nucleic contential acid sequences is proportional to number of biological pathogens in a biological material such as cells, active biological pathogens in a biological material such as cells, tissues, blood or blood components, proteins, enzymes, immunoglobulins, tissues, blood or blood components proteins, enzymes, immunoglobulins, common material such as cells, active biological pathogens in a biological material such as cells, come marrow, heart valves, cartilage, corneas, arteries, veins, organs, come marrow, heart valves, cartilage, corneas, arteries, veins, organs, come marrow, heart valves, cartilage, corneas, arteries, veins, organs, come marrow, heart valves, calls for transplantation, red blood cells, white companies of the content of Langerhaus cells, corneas, fungi and single cell parasites. The biological parasites is chosen from Aspergillus, Candida, Histoplasma, Campylobacter, Helicobacter, Brucella, Haemophilus, Salmonella, Cirrobacter, Bencella, Haemophilus, Salmonella, Cirrobacter, Bencella, Haemophilus, Salmonella, Cirrobacter, Cantifornia encephalitis virus, Cornavirus, Coxsackievirus-B, Eastern equine encephalitis (Virus (HEV), Hepatitis G virus (HOV), Hepatitis C virus (HOV), Hepatitis C virus (HOV), Hepatitis C virus, Rabies virus, Merspiratory Syncytial virus, Rabies virus, Rabies virus, Merspiratory Syncytial virus, Coxtuse of virus, Rabies virus, Rabies virus, Adenovirus, Western equine encephalitis virus, Western equine encephalitis virus, Western equine encephalitis virus, Western equine encephalitis virus, Cytomegalovirus, Cytomegalovirus, Cytomegalovirus, Cytomegalovirus, Cytomegalo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Determining level of potentially active biological pathogens in
biological material, by adding nucleic acid primer pairs to biological
material, amplifying target nucleic acid by PCR, detecting and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ä
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Mckenney K, Gillmeister L, Marlowe K, Armistead
                                                                                                                                                                                                                                                                           Hepatitis B virus DNA detection primer #12.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Disclosure; SEQ ID NO 33; 111pp; English.
723 GAAGGITITIGCAAITCAGGAI 744
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                quantifying target nucleic acid.
                         22 GAAGGAGTTTGCCATTCAGGAT
                                                                                                                                                                                                                                                                                                                             ss; detection; pathogen; primer
                                                                                                                                                    BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  10-FEB-2004; 2004WO-US002013.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             10-FEB-2003; 2003US-00361002
                                                                                                                                                      ADR67796 standard; DNA; 22
                                                                                                                                                                                                                                         18-NOV-2004 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (CLEA-) CLEARANT INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WPI; 2004-625844/60.
                                                                                                                                                                                                                                                                                                                                                                    Hepatitis B virus.
                                                                                                                                                                                                                                                                                                                                                                                                                  NO2004072231-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                             26-AUG-2004
                                                                                                                                                                                                  ADR67796;
                                                                                                                RESULT 358
                                                                                                                                    ADR67796,
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Score 17; DB 1; Length 17; Pred. No. 2.5e+02;

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Mch4, Mch5, aspartic acid specific Cys protease, cell apoptosis; stroke, increased cell survival; hormone dependent tumour; autoimmune disease, immunoglobulin mediated glomerulonephritis; degenerative disease; therapy; PCR primer; amplify; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Fernandesalnemri T, Litwack G, Armstrong R;
             Sequence 17 BP; 5 A; 4 C; 6 G; 2 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                     Primer SK-Zap for Mch4 and Mch5 coding sequences.
                                                      0.3%; Score 17; DB 100.0%; Pred. No. 2.5 ative 0; Mismatches
                                                                                                                                                                 1 CAGGAATTCGGCACGAG 17
                                                                                                                                       16 CAGGAATTCGGCACGAG 32
                                                                                                                                                                                                                                                                                       AAT90091 standard; DNA; 17 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            96US-00618408.
96US-00665220.
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(UYJE-) UNIV JEFFERSON THOMAS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     97WO-US004330.
                                                                                                                                                                                                                                                                                                                                                                       (revised)
(first entry)
                                                  Query Match 0.3
Best Local Similarity 100.
Matches 17; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WPI; 1997-480225/44.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     19-MAR-1997;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Alnemri ES,
Tomaselli K;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WO9735020-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            19-MAR-1996;
14-JUN-1996;
                                                                                                                                                                                                                                                                                                                                                                     25-MAR-2003
09-APR-1998
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           25-SEP-1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Synthetic.
                                                                                                                                                                                                                                                                                                                                AAT90091;
                                                                                                                                                                                                                                           RESULT 360
                                                                                                                                                                                                                                                                   AAT90091
                                                                                                                                                                                g
                                                                                                                                                                                                                                                                                         0XCCCCCCCCCCX8X44X8X414X8X6X64X6X6X8X8X8X8X8X8X8X8X8
                                                                                                                                           ò
Barr virus (EBV), Hepatitis B virus (HBV), Herpes simplex virus 1, Herpes simplex virus 2, Molluscum contagiosum, Papilloma virus (HBV), Smallpox virus (Variola), Vaccinia virus, Venezuelan equine encephalitis virus (VEEV), Ebola virus, West Nile virus, Human Parvovirus B19 and Rotavirus. (VEEV), Ebola virus, West Nile virus, Human Parvovirus B19 and Rotavirus. CMI) is useful for determining the effectiveness of a sterilization process applied to a biological material. (MI) is useful in determining whether the biological material biological pathogen is inactive or active. (MI) enables and whether the biological pathogen is inactive or active. (MI) enables evaluation of the effectiveness of sterilization processes, and determination of both the original level and the residual level of potentially active biological pathogens. This sequence corresponds to a premier to detect the hepatitis B virus DNA by the method of the
                                                                                                                                                                                                                                                                                                                                                                                                                                       ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Vector-specific primer SK-Zap (T66995) was used with primer T50-pr1 (T66994), based on a GenBank sequence expressed sequence tag, to amplify CDNA from a human Jarkat library. A Ced3-interleukin-1- beta converting enzyme (ICB)-like partial cDNA clone was identified. This was used to rescreen the library, leading to the isolation of cDNA clones (T66992-93) for novel apoptotic cysteine protease Mch3-alpha (W15262) and Mch3-beta (W15263)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               New gene encoding Mch3, a cysteine protease that regulates apoptosis - for treating human diseases associated with apoptosis, and screening for antagonists and agonists of Mch3.
                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                       ö
                                                                                                                                                                                                                                                                                                                                                                                         Query Match 0.3%; Score 17.2; DB 1; Length 22; Best Local Similarity 86.4%; Pred. No. 2.6e+02; Matches 19; Conservative 0; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Fernandes-Alnemri T, Litwack G, Armstrong R;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Mch3; cysteine protease; apoptosis; AIDS; ischaemia; neurodegenerative disease; gene therapy; diagnosis; PCR; polymerase chain reaction; primer; ss.
                                                                                                                                                                                                                                                                                                                                                    Sequence 22 BP; 6 A; 7 C; 3 G; 6 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            723 GAAGGTTTTTGCAATTCAGGAT 744
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    22 GAAGGAGTTTGCCATTCAGGAT 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Example 1; Page 26; 52pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAT66995 standard; DNA; 17 BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Vector-specific primer SK-Zap.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (IDUN-) IDUN PHARM INC.
(UYJE-) UNIV JEFFERSON THOMAS.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          96WO-US018118.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             05-AUG-1997 (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WO9718313-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             12-NOV-1996;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      13-NOV-1995;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Alnemri ES,
Tomaselli K;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     22-MAY-1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAT66995;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 359
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAT66995
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This sequence represents a primer for the Mch4 and Mch5 genes of the Invention. Mch4 (see AAW23790) and Mch5 (see AAW27391) are members of the Aspartic acid specific Cys protease family involved in cell apoptosis. The genes and proteins can be to diagnose, treat or reduce the severity of diseases resulting from increased cell survival, e.g. hormone dependent tumours such as breast, prostate or ovarian cancers, or autoimmune diseases, such as systemic lupue erythematosus or immunoglobulin mediated glomerulomephritis, diseases resulting from decreased cell survival, e.g. degenerative diseases such as Alzheimer's or Parkinson's disease, or amyotrophic lateral sclerosis or other diseases associated with increased apoptosis such as aplastic ansemia, stroke, ischaemic injury following myocardial infarction or reperfusion injury. (Updated on 25-MAR-2003 to correct PI field.)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ö
Aspartic acid specific cysteine protease(s) Mch4 and Mch5 - which are involved in cell apoptosis, useful to diagnose and treat, e.g. cancer, autoimmune, Alzheimer's or Parkinson's disease.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Сарв
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 17 BP; 5 A; 4 C; 6 G; 2 T; 0 U; 0 Other;
                                                                                                                                                                                                                  Example 1; Page 30; 76pp; English.
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The present PCR primer was used to amplify Mch6 cDNA. Mch6 is a ced-3 chomologue, and is a member of the ICE (interleukin-1-beta converting converse) family of aspartate-specific cysteine proteases (ASCPS). The caryome) family of aspartate-specific cysteine proteases (ASCPS). The cappounds identified by the modulators (inhibitors or enhancers). The compounds identified by the compounds in solvers, in a large in a large in a large in a large in a solver in as a large in a solver in a pastic anemia, ischemic injury including myocardial infarction, stroke aplastic anemia, ischemic injury including myocardial infarction, stroke compounds are also useful for treating compounds and hormone dependent tumours such as breast, compounds and hormone dependent tumours such as breast, compounds and infarction and infarction and infarction and immune-mediated glomerulonephritis as well as viral infarction are useful for treating these conditions. The Mch6 inhibitors are useful for treating these conditions. The Mch6 inhibitors are useful for treating these conditions. The Mch6 inhibitors are useful for treating these conditions. The Mch6 inhibitors are useful for treating these conditions. The Mch6 inhibitors are useful for treating these conditions.
                                                                                                                                                                                                                                                                                                                        Mch6, ced-3 homologue; ICE; interleukin-1-beta converting enzyme; aspartate-specific cysteine protease; ASCP; apoptotic cell death; Alzheimer's disease; Parkinson's disease; amyotropic lateral sollerosis; retinitis pigmentosa; cerebellar degeneration; myelodysplastic syndrome; aplastic anemia; ischemic injury; myocardial infarction; stroke; cancer; reperfusion injury; autoimmune disease; systemic lupus erythematosus; immune-mediated glomerulonephritis; viral infection; cell death;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Identifying mammalian homolog ced-3 homolog (Mch)6 activity modulators, useful for treating lymphomas, carcinomas and hormone dependent tumors, Alzheimer's disease, Parkinson's disease, comprises using Mch6 polypeptide.
                                                                                                                                                                                                                                                                                  PCR primer used to amplify cDNA encoding human Mch6 polypeptide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match 0.3%; Score 17; DB 1; Length 17; Best Local Similarity 100.0%; Pred. No. 2.5e+02; Matches 17; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 17 BP; 5 A; 4 C; 6 G; 2 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Litwack G;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Fernandes-Alnemri T,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Example 1; Col 12; 36pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (UYJE-) UNIV JEFFERSON THOMAS.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             99US-00311760.
CAGGAATTCGGCACGAG 32
                                        1 CAGGAATTCGGCACGAG 17
                                                                                                                                                       AAH77930 standard; DNA; 17 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          97US-00865579
                                                                                                                                                                                                                                                 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WPI; 2001-540372/60.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PCR primer; 88
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US6274318-B1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             13-MAY-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        29-MAY-1997;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     14-AUG-2001.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Alnemri BS,
                                                                                                                                                                                                                                                 13-NOV-2001
  16
                                                                                                                                                                                                    AAH77930;
                                                                                                               RESULT 361
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The invention relates to an isolated gene encoding MCH6 (mammalian ced-3 chomologue 6) an aspartate-specific cysteine protease and the MCH6 homologue 6. The MCH6-encoding nucleic acids and polypeptides can be used to diagnose, treat (e.g. by gene therapy) or reduce the severity of cell ceath-mediated diseases (i.e. apoptotic) such as neurodegenerative diseases e.g. Alzheimer's disease, Parkinson's disease, amyotrophic collateral sclerosis, retinitis pigmentosa and cerebellar degeneration, and myelodysplastic syndromes, e.g. aplastic anaemia, ischaemic injury, compocardial infarction, stroke and reperfusion injury. The MCH6-encoding nucleic acids and polypeptides can also be used to diagnose or generate correspents to diagnose diseases mediated or characterised by programmed cell death. A purified recombinant MCH6 protein can be used to measure thydrolysis rates for various substrates such as DEVD-AMC and YVAD-AMC in a continuous fluorometric assay. The present sequence is a PCR primer consequence to isolate the cDNA encoding human MCH6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ö
                                                                                                                                                                                                                                                                           Aspartate-specific cysteine protease; MCH6; ss; nootropic; neuroprotective; anti-Parkinsonian; antianaemic; vasotropic; cardiant; cerebroprotective; mammalian ced-3 homologue 6; gene therapy; apoptosis; Alzheimer; disease; Parkinson's disease; retinitis pigmentosa; cerebellar degeneration; myelodysplastic syndrome; aplastic anaemia; ischaemic injury; myocardial infarction; stroke; reperfusion injury; amyotrophic lateral sclerosis; PCR primer; T3.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                New Mch6 polypeptides and genes encoding the polypeptides useful for diagnosing, treating or reducing the severity of cell death-mediated diseases such as neurodegenerative diseases e.g. Alzheimer's disease. Parkinson's disease.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 17 BP; 5 A; 4 C; 6 G; 2 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0.3%; Score 17; DB 1; Le
100.0%; Pred. No. 2.5e+02;
lve 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Litwack G;
                                                                                                                                                                                                                                              T3 PCR primer for MCH6 cDNA isolation.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Alnemri ES, Fernandes-Alnemri T,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Example 1; Page 7; 15pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity 100.0%; Pr
Marches 17; Conservative 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   16 CAGGAATTCGGCACGAG 32
                              1 CAGGAATTCGGCACGAG 17
                                                                                                                               AAS12632 standard; DNA; 17 BP
16 CAGGAATTCGGCACGAG 32
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          22-DEC-2000; 2000US-00746731.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              97US-00865579.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (ALNE/) ALNEMRI E S.
(FERN/) FERNANDES-ALNEMRI T.
(LITW/) LITWACK G.
                                                                                                                                                                                                            04-DEC-2001 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WPI; 2001-535542/59.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US2001016345-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  29-MAY-1997;
25-FEB-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       23-AUG-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                              Synthetic.
                                                                                                                                                                         AAS12632;
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Gaps ;

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The present PCR primer was used to amplify DNA encoding an apoptotic procease, designated Mch6. Mch6 is an apartate-specific cysteine protease, mch6 polypeptides and polynucleotides can be used to diagnose, treat or reduce the severity of cell death-mediated conditions, e.g. cancers, autoimmune diseases such as systemic lupus erythematosus, viral infections such as herpesvirus, degenerative disorders such as Alzheimer's disease and Parkinson's disease, myelodysplastic syndromes such as myocardial infarction and stroke. They can also be used to screen
                                                                                                   Human, apoptotic protease, Mch6, aspartate-specific cysteine protease, cell death; cancer, autoimmune disease, systemic lupus erythematosus; viral infection, degenerative disorder, Alzheimer's disease;
                                                                                                                                                                  Parkinson's disease; myelodysplastic syndrome; myocardial infarction; stroke; PCR primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Isolated gene encoding a human apoptotic protease known as Mch6, usefin the diagnosis or treatment of cell death-mediated conditions, e.g. cancers and autoimmune diseases such as systemic lupus erythematosus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           cardiant; apoptosis modulator; aspartate-specífic cystéine protease; gene therapy; aspartate-specífic cystéine protease agonist; asparente-specífic cystéine protease ancagonist; Moh6; mammalian ced-3 homologue f, apoptosis; cancer; viral infection; degenerative disorder; Alzheimers disease; Parkinsons disease; myocardial infarction; human; mammalian ced-3 homologue 6; Mch6; PCR;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           cytostatic; virucide; nootropic; neuroprotective; antiparkinsonian;
                                                            Primer for DNA encoding aspartate-specific cysteine protease Mch6.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    for compounds that inhibit or promote Mch6 mediated apoptosis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 17; DB 1; Length 17;
Pred. No. 2.5e+02;
0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Mammalian ced-3 homologue 6 related primer seg id 5.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 17 BP; 5 A; 4 C; 6 G; 2 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Litwack
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Alnemri ES, Fernandes-Alnemri T,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0.3%; Scur.
100.0%; Pre-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Example 1; Page 7; 15pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CAGGAATTCGGCACGAG 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADE52023 standard; DNA; 17 BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CAGGAATTCGGCACGAG 32
                                                                                                                                                                                                                                                                                                                                                                   97US-00865579.
                                                                                                                                                                                                                                                                                                                                                                                                            97US-00865579
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           e;
                    (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                              (ALNE/) ALNEMRI E S.
(FERN/) FERNANDES-ALNEMRI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     29-JAN-2004 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Local Similarity 100.
Les 17; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WPI; 2001-389294/41.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             LITWACK G.
                                                                                                                                                                                                                                                                            US2001006779-A1
                                                                                                                                                                                                                                     Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                 29-MAY-1997;
                                                                                                                                                                                                                                                                                                                                                                                                            29-MAY-1997;
                    22-AUG-2001
                                                                                                                                                                                                                                                                                                                         05-JUL-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADE52023;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (LITW/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RESULT 365
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Matches
ð
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  The invention relates to an isolated gene encoding apoptic protease, mammalian ced-3 homologue 6 (Mch6). Mch6 is a member of the aspartate-specific cysteine protease (ASCP) family. Mch6 DNA and protein sequences are useful for modulating apoptosis for the therapeutic treatment of human diseases. Mch6 sequences are useful for upregulating apoptosis (e.g. for treating or viral infections) or downregulating apoptosis (e.g. for treating Alzheimer's disease. Parkinson's disease or cerebellar degeneration). The Mch6 sequence is mediated diseases, as well as other diseases mediated by either increased or decreased programmed cell death. The present sequence is a primer,
                                                                                                                                                                                                                                                                                              Apoptic protease; mammalian ced-3 homologue 6; Mch6; cancer; aspartate-specific cysteine protease; ASCP; apoptosis; therapy; autoimmune disease; cerebellar degeneration; Alzheimer's disease; cycostatic; Parkinson's disease; immunomodulator; antimicrobial; viral infection; cell death-mediated disease; neuroprotective; primer;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    New apoptotic genes and their apoptotic protease products, useful for modulating apoptosis for the therapeutic treatment of human diseases, e.g. cancers, autoimmune disease, Alzheimer's disease or Parkinson's
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 17; DB 1; Length 17;
Pred. No. 2.5e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0, Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Seguence 17 BP; 5 A; 4 C; 6 G; 2 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   for cloning and characterisation of Mch6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Litwack G;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  100.0%; Pred. ...
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Fernandes-Alnemri T,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Example 1; Col 12; 36pp; English.
                                                                                                                           BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            32
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                17
                  CAGGAATTCGGCACGAG 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (UYJE-) UNIV JEFFERSON THOMAS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   99US-00257218
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             97US-00865579
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CAGGAATTCGGCACGAG
                                                                                                                         AAD15659 standard; DNA; 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            16 CAGGAATTCGGCACGAG
                                                                                                                                                                                                               (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 17; Conservative
                                                                                                                                                                                                                                                     Mch6 cloning primer,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WPI; 2001-528686/58.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                  Unidentified
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US6271361-B1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   25-FEB-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             29-MAY-1997;
                                                                                                                                                                                                            15-NOV-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Alnemri ES,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        07-AUG-2001
                                                                                                                                                                      AAD15659;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
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useful

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Gape

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AAH25194 standard; DNA; 17 BP.

RESULT 364

used

Matches

δ 요 AAH25194;

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WO2004080406-A2
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                                                                                                                                                                                                                                                                                                                                The invention describes an isolated gene (I) encoding Mch6 (mammalian ced -3 homologue 6), or a functional fragment of it. (I) And the polypeptide encoded by (I) is used to modulate apoptosis for the therapeutic treatment of human diseases. (I) Is used to prepared a recombinant aspartate-specific cysteine protesse, that it encodes. The recombinant protesse can be used to screen for Mch6 inhibitors. Dissorders involving apoptosis that can be disagnosed or treated by (I) or the polypeptide it encodes, including cancers, viral infections, degenerative disorders, such as Alzheimers and Parkinsons disease, and mycardial infarction. This sequence represents a primer used in the isolation of human mammalian ced-3 homologue 6 (Mch6), a member of the aspartate-specific cysteine protesse (ASCP) family of protesses.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        antilipemic; cardiant; vasotropic; antiarteriosclerotic; antidiabetic; cytostatic; anticonvulsant; nootropic; muscula; anti-HIV; kNA interference; iRNA; antisense technology; lipid metabolism; cholesterol imbalance; dyslipidaemia hypercholesterolaemia; coronary artery disease; CAD; coronary heart disease; CHD; atherosclerosis; hepatic glucose production; glucose-metabolism-related disorder; diabetes; cancer; breast cancer; slung cancer; lung cancer; always ancer; breast cancer; spinocerebellar ataxia; viral disease; AIDS; hepatitis C virus; HCV; ss.
                                                                                                                                                                                                                                                            New isolated gene encoding a mammalian ced-3 homolog 6, for modulating apoptosis for the therapeutic treatment of human diseases, such as cancers and degenerative disorders.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0.3%; Score 17; DB 1; Length 17; 100.0%; Pred. No. 2.5e+02; ative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Hepatitis C virus (HCV) oligonucleotide seqid 6180.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 17 BP; 5 A; 4 C; 6 G; 2 T; 0 U; 0 Other;
                                                                                                                                                                                                              Fernandes-Alnemri T, Litwack G;
                                                                                                                                                                                                                                                                                                             Example 1; SEQ ID NO 5; 15pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CAGGAATTCGGCACGAG 32
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 caggaarrccccaccac 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADR81681 standard; DNA; 19 BP
                                                                                                                                                                                        (UYJE-) UNIV JEFFERSON THOMAS
                                                                                                                                        29-MAY-1997; 97US-00865579.
25-FEB-1999; 99US-00257218.
                                                                                                                                                                22-DEC-2000; 2000US-00746731.
                                                                                                               29-JAN-2002; 2002US-00059749
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 16-DEC-2004 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Best Local Similarity 100.0
Matches 17; Conservative
                                                                                                                                                                                                                                        WPI; 2004-040943/04.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Hepatitis C virus
                                                                  US2002183504-A1.
                                          Homo sapiens.
                                                                                                                                                                                                                  Alnemri ES,
                                                                                        05-DEC-2002
       primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADR81681;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              16
                             Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           RESULT 366
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The invention describes a RNA interference (IRNA) agent (I) comprising a sense sequence and an antisense sequence, where the sense sequences have sense sequence and an antisense sequence, where the sense sequences have one or more asymmetrical phosphorothioate modifications and the antisense sequence targets a human gene sequence. Also described and the antisense sequence targets a human gene sequence. Also described and the antisense sequence targets a human gene sequence. Also described are: a pharmaceutical preparation comprising (I); reducing (I); involves selecting a sequence with activity and introducing one or more asymmetrical modification in the sequence, where contrity, a kit comprising (I) and instruction for its use; and a device that can be dispense or administer a composition comprising (I). Is captuit for reducing apoB-100 levels or glucose-6-phosphatase levels. The subject is suffering from a disorder characterised by elevated or cherwise unwanted expression of apoB-100, elevated or otherwise unwanted cypression of apoB-100, coronary heart disease (CHD) and atherosclerosis (I) is administered to a subject to disease (CHD) and atherosclerosis. (I) is administered to a subject to cinhibit hepetic glucose production or for treating glucose-metabolism.

Creating the diseases as mentioned above, cancer (e.g., breast, colon or related disorder e.g. diabetes or type-2 diabetes. (I) is useful for related disorder e.g. diabetes or type-2 diabetes. (I) is useful for cancer in accer, in the control HCV gene expression.

Creating the described or control HCV gene expression.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Interference RNA agent useful for treating dyslipidemias, coronary disease, diabetes, cancer or neurological disease, comprises sense sequence and antisense sequence which has specific modifications.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ö
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100.0%; Pred. No. 2.6e+02;
tive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 19 BP; 0 A; 0 C; 2 G; 17 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Example 5; SEQ ID NO 6180; 378pp; English
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                                                                                                                                       2003US-0452682P.
2003US-0454265P.
2003US-0454962P.
2003US-0455050P.
2003US-0462894P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             09-OCT-2003; 2003US-0510246P.
10-OCT-2003; 2003US-0510318P.
07-NOV-2003; 2003US-0518453P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           08-AUG-2003; 2003US-0493986P.
11-AUG-2003; 2003US-0494597P.
26-SEP-2003; 2003US-0506341P.
                                                                                                                                                                                                                                                                                                                                       17-APR-2003; 2003US-0463772P.
25-APR-2003; 2003US-0465665P.
25-APR-2003; 2003US-0465802P.
09-MAY-2003; 2003US-0469612P.
                                                                 08-MAR-2004; 2004WO-US007070
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Best Local Similarity luv...
Local 17; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Manoharan M, Bumcrot D;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (ALNY-) ALNYLAM PHARM.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WPI; 2004-677362/66.
                                                                                                                                                                                                                                                                                                           14-APR-2003;
17-APR-2003;
                                                                                                                                                                                                                                 13-MAR-2003;
23-SEP-2004
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RESULT 367 AAT18426/c

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This invention describes a novel antisense compound (I) 8-30 nucleobases in length targeted to a polynucleotide encoding human telomeric repeat binding factor 2 (II) which specifically hybridizes with, and inhibite the expression of (II). (I) is useful for treating a human having a disease or condition associated with (II) such as premature aging or a hyperproliferative disorder especially cancer, by inhibiting the expression of (II) in human cells or tissues. (I) is useful for disagnostics, therapeutics, prophylaxis and as research reagents and kits. The products of the invention have cytostatic activity. This sequence represents an antisense oligonucleotide used to illustrate the method of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Antisense compounds targeted to nucleic acid encoding telomeric repeat binding factor 2 useful for treating conditions such as premature aging
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             p53 protein; cell cycle control; apoptosis; oesophageal tumour; pancreatic tumour; colorectal tumour; renal cell carcinoma; cervical carcinoma; cancer; p21 promoter; ss.
                                                                   /*tag= b
/mod_base= OTHER
/note= "phosphorothioate backbone"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 20 BP; 2 A; 9 C; 4 G; 5 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0.3%; Score 17; DB 1; Le
100.0%; Pred. No. 2.6e+02;
tive 0; Mismatches 0;
                                                                                                                                                                                                                  /*tag= c
/mod_base= OTHER
/note= "2-0-methoxyethyl"
                                                                                                                                                           /mod_base= OTHER
/note= "2-0-methoxyethyl"
                          Location/Qualifiers
1. .20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Example 15; Page 79; 108pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    34
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            and diseases such as cancer.
                                                                                                                                                                                                                                                                                                                                                                    14-DEC-2000; 2000WO-US033954
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      18 GGAATTCGGCACGAGGG
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADJ45219 Btandard; DNA; 22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (first entry)
                                                                                                                                           *tag= a
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Matches 17, Conservative
                                                                                                                                                                                                   13. .20
                                                                                                                                                                                                                                                                                                                                                                                                                                          (ISIS-) ISIS PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Monia BP, Cowsert LM;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WPI; 2001-398071/42.
                                                                                                                                                                                                                                                                                           WO200143752-A1
                                  Key
modified_base
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                                                                                                                        modified_base
                                                                                                                                                                                                 modified_base
                                                                                                                                                                                                                                                                                                                                                                                                      17-DEC-1999;
Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          06-MAY-2004
                                                                                                                                                                                                                                                                                                                               21-JUN-2001
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RESULT 369
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   셤
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Plea saliva proteins or their fragments may be used in formulations to treat or desensitise a host animal suffering from allergic dermatitis, they may also be used in an assay to determine if an animal is susceptible to allergic dermatitis. Saliva proteins taken from the mosquito, tick, mite, louse, ant, fly, true bug or spider may also be used in similar formulations. See AAR94655-R94665. Four primers (AAT18423 amplification products of the flea saliva protein fspi
                                                                                                                                                                                                 Flea saliva protein; allergic dermatitis; treatment; desensitise; assay; detection; diagnosis; mosquito; tick; mite; louse; ant; fly; true bug; spider; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Ectoparasite saliva protein – used in treatment of, to desensitise host animal to, and in assay to determine if animal is susceptible to or has allergic dermatitis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Antisense; phosphorothioate; human; telomeric repeat binding factor 2; inhibitor; premature aging; hyperproliferative disorder; cancer; cytostatic; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Сарв
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Human telomeric repeat binding factor 2 oligonucleotide 111369.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0.3%; Score 17; DB 1; Length 20;
100.0%; Pred. No. 2.6e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0; Indels
                                                                                                                                                              Primer for amplifying flea saliva protein (fspl).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 20 BP; 1 A; 9 C; 6 G; 4 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       100.0%; Preα. ...
-ive 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Example 6C; Page 134; 255pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Wallenfels L;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      5069 AGGGGGGCCCGGTACC 5085
                                                   AAT18426 standard; DNA; 20 BP.
                                                                                                                                                                                                                                                                                                                                                                                                                     94US-00319590.
95US-00487001.
95US-00487608.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAH20641 standard; DNA; 20 BP.
                                                                                                                                                                                                                                                                                                                                                                                     95WO-US013200.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             20 AGGGGGGCCCGGTACC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (first entry)
                                                                                                                            (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Local Similarity 100.
1es 17; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Frank GR, Hunter SW,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         WPI; 1996-209852/21.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (HESK-) HESKA CORP
                                                                                                                                                                                                                                                                                                              WO9611271-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                       07-OCT-1994;
                                                                                                                            16-OCT-1996
                                                                                                                                                                                                                                                                                                                                                                                     36-OCT-1995;
                                                                                                                                                                                                                                                                                                                                                                                                                                          07-JUN-1995;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          13-AUG-2001
                                                                                                                                                                                                                                                                                                                                                  18-APR-1996
                                                                                                                                                                                                                                                                            Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAH20641;
                                                                                      AAT18426
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
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Gape

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RESULT 368

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AAH20641,

Matches

Length 20; 0; Indels Human PI3K regulatory subunit 4, p150 DNA antisense oligonucleotide #62.

(first entry)

11-MAR-2004

ADH26737;

Human, phosphoinositide-3-kinase regulatory subunit 4, p150, P13K, P13 kinase, ss. antisense oligonucleotide; phosphorothioate linkage, 2'-O-methoxyethyl sugar moiety; 5-methylcytosine; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; neurodegenerative disorder; metabolic disorders; inflammation; cytostatic; immunomodulator; neurodegenerative; antimicrobial;

antiinflammatory.

US2003225013-A1. Homo sapiens.

04-DEC-2003.

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The invention relates to a method (M1) of identifying compounds that condulate the binding of pi3 protein to a gene of interest, involving providing the gene of interest as chromatine assembled DNN, contacting the gene of interest as chromatine assembled DNN, contacting the determining whether the presence of the test compound, and etermining whether the presence of the test compound modulates the binding of the p53 to the gene of interest. Also described are the cancer cells, which involves providing a gene construct comprising a chromatin assembled p21 promoter linked to a reporter gene, where the presence of p53 protein, incubating the gene construct by measuring control of the p53 protein, incubating the gene construct by measuring protein and a test compound, and determining whether the trest compound increases binding of the p53 protein to the gene construct by measuring control of p53 protein with a transcription cofactor that associates interesting the gene activity in the presence and absence of the creat compound; (2) Identifying a test compound that modulates the control of p53 protein with a transcription cofactor that associates with p53 protein when p53 protein is bound to a gene of interest, which involves providing the gene of interest with the p53 protein, the transcription cofactor, and the test compound, and determining whether the presence of the test compound modulates the association of the contacting the gene of interest with a cell nuclear comprises to protein the actl cycle control gene of interest with a cell nuclear. The gene of interest with a cell cycle control gene or an apoptotic gene. The p53 protein is a full-length p53 protein or p53 protein that is a full-length p53 protein or p53 protein that is a full-length p53 protein or p53 protein that is a full-length p53 protein or p53 protein that is a full-length p53 protein or p53 protein that is a full-length p53 protein or p53 protein that is a full-length p53 protein with a cell cycle control gene of interest with a cell cycle co
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Identifying compounds that modulate binding of p53 protein to gene, by providing gene as chromatin-assembled DNA and contacting with protein and test compound, and determining whether compound modulates binding of p53.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Example 1; SEQ ID NO 7; 20pp; English.
                                                                                                                                                                                                                                                                                                 24-MAR-2003; 2003US-00397131
                                                                                                                                                                                                                                                                                                                                                                                                      22-MAR-2002; 2002US-0366897P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              and the p21 promoter.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Emerson BM, Espinosa J;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          EMERSON B M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WPI; 2004-167208/16.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (ESPI/) ESPINOSA J.
                                                                                         JS2003228627-A1.
Homo sapiens.
                                                                                                                                                                                             11-DEC-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          EMER/)
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New antisense oligonucleotides inhibiting the expression of phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for preventing or treating diseases associated with the subunit, e.g. hyperproliferative disorders.

31-MAY-2002; 2002US-00160786. 31-MAY-2002; 2002US-00160786.

(ISIS-) ISIS PHARM INC.

Dobie KW;

Freier SM,

WPI; 2004-051923/05.

Example 15; SEQ ID NO 72; 62pp; English.

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The invention relates to a compound targeted to a nucleic acid molecule encoding human phosphoinositide-3-kinase (P13K) regulatory subunit 4, p150. The compound is an antisense olisjonucleotide that specifically hybridises with a nucleic acid molecule encoding P13K regulatory subunit 4, p150 and inhibits expression of the polypeptide. The antisense olisjonucleotide comprises at least one modified internucleoside linkage i.e. a phosphorothioate linkage, at least one modified sugar moiety, preferably a 2'-O-methoxyethyl sugar moiety, or at least one modified nucleobase comprising a 5-methylcytosine. The antisense compounds are useful for modulating the expression of P13K regulatory subunit 4, p150 and for preventing or treating hyperproliferative disorders and cancer), Chediak-Higashi syndrome, neurodegenerative disorders and metabolic disorders. These may also be used in research and diagnostics and in preventing or delaying infection or inflammation. This sequence represents an antisense oligonucleotide of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0.3%; Score 16.8; DB 1; Length 20; 90.0%; Pred. No. 2.7e+02; ative 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 20 BP; 7 A; 2 C; 2 G; 9 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         3969 TTTAAAGCATGATTTAAAGT 3988
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 rrraaarcargcrrraaagr 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADL34626 standard; DNA; 20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               17-JUN-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADL34626;
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8
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0.3%; Score 17; DB 1; Length 22;
00.0%; Pred. No. 2.7e+02;
ve 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 22 BP; 5 A; 5 C; 7 G; 5 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0.35,
100.08; Pre
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ceeecrecaecaarree 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         9 CGGGCTGCAGGAATTCG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity
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ADH26737 standard; DNA; 20 BP.

RESULT 370 ADH26737

8 a

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Gaps

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JAGGED; JAGGED1; hJAGGED1; human; notch ligand; stem cell; progenitor cell; haematopoiesis; cell differentiation; Alagille syndrome; leukaemia; lymphoma; diagnosis; therapy; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  New Jagged peptides for inhibiting differentiation of progenitor cells - also used for maintaining these cells in undifferentiated state, e.g. for haematopoietic reconstitution.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               This nucleotide sequence comprises the intron 10-exon 11 boundary of the human JAGGED1 gene. 47 Intron/exon boundaries have been defined (see AAX06701-47) by comparison of genomic sequences from bacterial artificial chromosome 49D9 and an isolated cDNA clone (see AAX05753). Exon 11 corresponds to nucleotides 1762-1808 of the hJAGGED1 cDNA. hJAGGED1 (see also AAW87994) is a Notch ligand capable of inhibiting the differentiation of haemacopoietic progenitor cells. Mutation of the hJAGGED1 gene is associated with Alagille syndrome. The Jagged1 gene has
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Agrobacterium tumefaciens NT1130; 1,5-anhydroglucitol dehydrogenase; 1,5-AGDH; detection; diabetes; PCR primer; ss.
                                                                                                                                                                                                                                                                                                                             exon 11 (exon length is 47 bp)"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0.3%; Score 16.8; DB 1; Length 20; 90.0%; Pred. No. 2.7e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1,5-anhydroglucitol dehydrogenase PCR primer SEQ ID NO:25.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Seguence 20 BP; 7 A; 0 C; 2 G; 11 T; 0 U; 0 Other;
                      Human JAGGED1 gene intron 10-exon 11 boundary.
                                                                                                                                                                                                                                                              of intron 10'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (UNIW ) UNIV WASHINGTON.
(CHIL-) CHILDRENS HOSPITAL PHILADELPHIA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Spinner NB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  been mapped to human chromosome 20p12
                                                                                                                                                                                            Location/Qualifiers
                                                                                                                                                                                                                                                                                                                             end of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Example 4; Fig 6B; 101pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          622 TATTTTCAGATATTCATGA 641
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                                                                                                                                                                                                                                                              end
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                                                                                                                                                                                                                   1. .10
/*tag= a
/note= "3'
                                                                                                                                                                                                                                                                                                       /*tag= b
/note= "5'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Hood L, Krantz ID,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAF32481 standard; DNA; 20
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                                                                                                                                                                                                                                                                                  11. .20
/*tag= }
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WPI; 1999-081220/07.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Local Similarity
ses 18; Conserv
                                                                                                                                                   Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                               25-JUN-1998;
                                                                                                                                                                                                                                                                                                                                                                         WO9858958-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          25-JUN-1997;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       19-APR-2001
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAF32481;
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                                                                                                                                                                                                                       intron
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Li L',
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 373
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Matches
                                                                                                                                                                                                                                                                                       exon
                                                                                                                                                                                                 Key
  $$$$$$$$$$$$$
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               This invention describes a novel antisense oligonucleotides which specifically hybridises to and inhibits the expression of human phosphoinositide-1-kinase, regulatory subunit 4, p150. The plantine oligonucleotides comprises at least one modified internucleoside linkage, preferably a phosphorothioate linkage. It also comprises at least one modified sugar moiety, preferably a 2'-0-methoxyethyl sugar moiety. The antisense oligonucleotide further comprises at least one modified antisense oligonucleotide further comprises at least one modified can be used in diagnostics and as research reagents and kits. It can also be used prophylactically, e.g. to prevent or delay infection, inflammation or tumour formation. It can also be used to treat a disease
                                    antisense; inhibitor; hybridisation; human; phosphoinositide-3-kinase; regulatory subunit 4; p150; internucleoside linkage; phosphorothioate linkage; 2'-O-methoxyethyl sugar; 5-methylcytosine; infection; inflammation; tumour formation; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; metabolic disorder; immunomodulator; cytostatic; gene therapy; ss; primer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             or condition associated with phosphoinositide-3-kinase, regulatory abbunit 4, p150, e.g. hyperprolliferative disorder, preferrally cancer, Chediak-Higashi syndrome or a metabolic disorder. The products of the invention are immunomodulators with cytostatic activity and can be used
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       New antisense compound targeted to a nucleic acid molecule encoding phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for treating cancer, Chediak-Higashi syndrome or a metabolic disorder.
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                                                                                                                                                                                                                                                                                                                           /note= "phosphorothioate backbone"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 20 BP; 7 A; 2 C; 2 G; 9 T; 0 U; 0 Other;
antisense oligonucleotide ISIS 207026.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sxample 15; SEQ ID NO 72; 60pp; English.
                                                                                                                                                                                                                                       Location/Qualifiers
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/*tag= a
/mod_base= OTHER
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                                                                                                                                                                                                                                                                                                                                                                                                                                                               18-SEP-2003; 2003US-00667022
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Freier SM, Dobie KW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WPI; 2004-282523/26.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (FREI/) FREIER S M. (DOBI/) DOBIE K W.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Local Similarity
hes 18; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        for gene therapy.
                                                                                                                                                                                                                                                                                                                                                                         JS2004063657-A1
                                                                                                                                                                                                                                       Key
modified_base
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                                                                                                                                                                                                                                                                                                                                                                                                                    01-APR-2004
                                                                                                                                                                                              Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAX06717;
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AAX06717
ID AAX0
XX
AC AAX0
XX
DT 26-A

Matches

99JP-00133157 99JP-00133157

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Sequence 20 BP; 4 A; 7 C; 3 G; 6 T; 0 U; 0 Other;
                                                                                                         Example 2; Page 17; 22pp; Japanese,
                                                   (DAII-) DAIICHI KAKAGU YAKUHIN KK
                                                                                                                                                                                          587 GCATTGCTCCCTCCCAGATC 606
                                                                                                                                                                                                      GCATTGCTCCTTCAAGATC 20
                                                                                                                                                                                                                                                                                                                                      06-OCT-2000; 2000WO-US027872
                                                                                                                                                                                                                                                                                                                                                  99US-0158315P,
                                                                                                                                                                                                                                   AAF83180 standard; DNA; 20
                                                                                                                                                                                                                                                           (first entry)
                                                                                                                                                                                                                                                                                                                                                                          Chatelain F,
                                                                                                                                                                                                                                                                                                                                                             (PROT-) PROTOGENE LAB INC.
                                                                                                                                                                               Conservative
                                                               WPI; 2001-128253/14.
                                                                                                                                                                                                                                                                                                                                                                                     WPI; 2001-290733/30.
                                                                                                                                                                         Local Similarity
ses 18; Conserv
      JP2000316570-A.
                                                                                                                                                                                                                                                                                                               WO200127327-A2
                                                                                             transformant.
                                        13-MAY-1999;
                            13-MAY-1999;
                                                                                                                                                                                                                                                                                                                                                 08-OCT-1999;
                 21-NOV-2000.
                                                                                                                                                                                                                                                          09-JUL-2001
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                                                                                                                                                                                                                                                                                                                                                                          Brennan TM,
                                                                                                                                                                                                                                                                                                   Synthetic.
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BP.

Example 11; Fig 18B; 112pp; English

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The invention, by towards a novel spacem to percunting traditions, that comprises a first solid support with a reactant of each reaction comprises on to it, and a second solid support either providing a second reactant confined to a specific area on the surface, or a chemical factorial reactant confined to specific, where the first and second solid supports are assembled to provide an environment for performing the reactions. In parallel. The methods and apparatus are useful for comprising a large number of chemical and blological reactions. Sequence variations, expression levels and their functions. The method is capable of generating large amounts of data or products per unit time by carrying out large numbers of reactions in parallel. The process is also menable to full automation. The present sequence represents a control probe used in detecting amplified products by allele specific extension, the products amplified by performing large numbers of PCR reactions using array-immobilised and releasable primers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              New antisense oligonucleotide for modulating endothelial lipase expression, for diagnosing, preventing or treating e.g. dyslipidemia, low high density lipoprotein or cardiovascular disorders.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Antilipaemic; Cardiovascular; Analgesic; Antianginal; Antisense therapy; Human; Endothelial Lipase; dyslipidaemia; high density lipoprotein; HDL; cardiovascular disorder; metabolic syndrome X; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              /note= "This oligonucleotide has a phosphorothioate backbone and 2-"methyoxyethyl (2.*MpB) wings at the 5' and 3' ends, which are 4 nucleotides in length. Also all cytidine residues are 5-methylcytidines"
         that
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human endothelial lipase antisense oligonucleotide, SEQ ID 1293
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                                                                                                                                                                                                                                                                                                                                                                                                                     0.3%; Score 16.8; DB 1; Length 20; 90.0%; Pred. No. 2.7e+02; ative 0; Mismatches 2; Indels
invention provides a novel system for performing
                                                                                                                                                                                                                                                                                                                                                                         Sequence 20 BP; 5 A; 5 C; 5 G; 5 T; 0 U; 0 Other;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Location/Qualifiers
1. .20
/*tag= a
/mod_base= OTHER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        4769 TGACTGACTGACTAAATGAC 4788
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     20 TGACTGACTGACTGACTGAC 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             18-JUL-2003; 2003WO-US022410.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         19-JUL-2002; 2002US-0397106P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADJ22895 standard; DNA; 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                20-MAY-2004 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   18; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (PHAA ) PHARMACIA CORP
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                                                                                                                                                                                                                                                                                                                                                                                                                                            Local Similarity
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Human; Endothe
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modified_base
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                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                            Matches
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                                                                                                                                                                                                                                                                    A gene encoding 1,5-anhydroglucitol dehydrogenase, a recombinant vector containing the gene, a transformant containing the recombinant vector and a recombinant 1,5-anhydroglucitol dehydrogenase protein prepared from the
                                                                                                                                                                                                                                                                                                                                                                                                                       The present invention describes the 1,5-anhydroglucitol dehydrogenase protein (1,5-AGDH) isolated from Agrobacterium tumefaciens. The 1,5-AGDH protein is useful as a detecting reagent for early stage diabetes. The present sequence represents a PCR primer for 1,5-AGDH, which is used in an example from the present invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Negative control probe used in detection by allele specific extension.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Apparatus and method for performing a large number of chemical and biological reactions by bringing two arrays into close apposition and allowing reactants on the surfaces of the two arrays to come into
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Immobilisation; chemical; biological; polynucleotide amplification; nucleic acid detection; probe; hybridisation; PCR primer; ss.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0.3%; Score 16.8; DB 1; Length 20; 90.0%; Pred. No. 2.7e+02;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    New antisense compound targeted to a nucleic acid molecule encoding about.3, useful for useful for treating a disease or condition associated with Navl.3, e.g. pain, selzure disorder such as childhood seizure disorder, or ataxia.
              The present invention relates to antisense oligonucleotides (ADJ21603-ADJ25510) targeted to human Endothelial Lipase (EL) coding sequence (ADJ25517), where the antisense oligonucleotide specifically hybridises with and inhibits the expression of EL. The antisense oligonucleotides are useful for modulating the expression of endothelial lipase in cells or tissues to treat diseases associated with EL expression, such as dyslipidaemia, low high density lipoprotein (HDL), cardiovascular disorder or metabolic syndrome X. In addition, the oligonucleotides are used for diagnostics, prophylaxis, or as research reagents or kits.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Navl.3; Analgesic; Nootropic; Neuroprotective; post-herpetic neuralgia; diabetic neuropathy; arthritic pain; migraine headache; infantile epilepsy; ataxia; ss.
                                                                                                                                                                                                                                                                                                      Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Chimeric phosphorothioate oligonucleotide to target Navl.3 #8124.
                                                                                                                                                                                                                                                                                                        ;
                                                                                                                                                                                                                                                              0.3%; Score 16.8; DB 1; Length 20; 90.0%; Pred. No. 2.7e+02; ive 0; Mismatches 2; Indels
                                                                                                                                                                                                                        Sequence 20 BP; 6 A; 5 C; 4 G; 5 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Claim 4; SEQ ID NO 8124; 417pp; English
                                                                                                                                                                                                                                                                                                                                               983 CACACAAATCTGGAGTTCGT 1002
                                                                                                                                                                                                                                                                                                                                                                                     1 CACACAAATCTGGACTTGGT 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             BP
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (first entry)
                                                                                                                                                                                                                                                                                 Local Similarity 90.0
nes 18; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           20-MAY-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         26-FEB-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Roberds SL;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADK80790;
                                                                                                                                                                                                                                                              Query Match
                                                                                                                                                                                                                                                                                     Best Loc
Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         cytostatic; antidiabetic; immunomodulator; cardiant; neuroprotective; gene therapy; endothalial specific molecule-1; ESM-1; ESM-1; ESM-1 ESM-1 elated disorder; diabetes; cancer; ischaemia; reperfusion injury; angiogenic disorder; immunological disorder; cardiovascular disorder;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             /note= "OTHER= phosphorothioate backbone. All cytidine residues are 5-methylcytidines"
                                                                                                                          Gape
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              nucleotides"
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                                                             DB 1; Length 20;
                                                                                                                       Indels
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20 BP; 17 A; 3 C; 0 G; 0 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human ESM-1 antisense oligonucleotide segid 1867.
                                                          Score 16.8; DB 1;
Pred. No. 2.7e+02;
0; Mismatches 2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    neurological disorder; antisense technology; ss
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/mod_base= OTHER
/note= "OTHER= 2'
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                                                                                                                                                                                                                                                                                                                                                                                                   ADL59618 standard; DNA; 20 BP
                                                             0.3%;
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                                                                                                                          Conservative
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                                                                                          Local Similarity
nes 18; Conserv
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   Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADL59618;
                                                             Query Match
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ID ADL55

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Claim 3; SEQ ID NO 1931; 555pp; English.
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                                                                                                           Query Match
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                                                                                                                                                                                                                                                                  cytostatic; antidiabetic; immunomodulator; cardiant; neuroprotective; gene therapy; endothelial specific molecule-1; ESM-1; ESM-1; ESM-1 related disorder; diabetes; cancer; ischaemia; reperfusion injury; angiogenic disorder; immunological disorder; cardiovascular disorder; neurological disorder; antisense technology; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     New antisense compound, having a sequence targeted to a nucleic acid encoding endothelial specific molecule-1 (ESM-1), useful for preparing composition for treating e.g., diabetes, cancer or cardiovascular
                                                                                                                                                                                                                                                                                                                                                                                           /note= "OTHER= phosphorothioate backbone. All cytidine residues are 5-methylcytidines"
 cancer, ischaemia or reperfusion injury, or angiogenic, immunological, cardiovascular or neurological disorder. This sequence represents an antisense oligonuclectide that can be used to modulate expression of
                                                                                                                                                                                                                                                                                                                                                                                                                              /*tag= a
/mod_base= OTHER
/note= "OTHER= 2'-methoxyethyl (2'-MOE) nucleotides"
16. .20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     'note = "OTHER= 2'-methoxyethyl (2'-MOE) nucleotides"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          The invention describes a new antisense compound, having a sequence comprising 8-30 bp targeted to a nucleic acid encoding endothelial specific molecule-1 (ESM-1), that specifically hybridises with the
                                                                                            Gaps
                                                                                            ö
                                                                      Score 16.8; DB 1; Length 20;
Pred. No. 2.7e+02;
                                                                                            2; Indels
                                                                                                                                                                                                                                                   Human ESM-1 antisense oligonucleotide segid 1693.
                                                      BP; 7 A; 4 C; 0 G; 9 T; 0 U; 0 Other.
                                                                         Query Match 0.3%; Score 16.8; D
Best Local Similarity 90.0%; Pred, No. 2.7e
Matches 18; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Claim 3; SEQ ID NO 1693; 555pp; English.
                                 endothelial specific molecule-1 (ESM-1).
                                                                                                                                                                                                                                                                                                                                                      Location/Qualifiers
1. .20
/*tag= b
                                                                                                                  4354 ATGAAAATAAGGTTTTGGGA 4373
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 base= OTHER
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                                                                                                                                      20 argadaradrirriagga 1
                                                                                                                                                                                         ADL59444 standard; DNA; 20 BP.
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                                                                                                                                                                                                                                  (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Griggs DW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (PHAA ) PHARMACIA CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WPI; 2004-248358/23.
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                                                                                                                                                                                                                                                                                                                                                           Key
modified_base
                                                                                                                                                                                                                                                                                                                                                                                                                      modified_base
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                                                                                                                                                                                                                                                                                                                                         Homo sapiens
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                                                        Sequence 20
                                                                                                                                                                                                                                  03-JUN-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          disorder.
                                                                                                                                                                                                                ADL59444;
                                                                                                                                                                       RESULT 378
ADL59444/c
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nucleic acid ESM-1 and inhibits its expression. Also described are: a composition; inhibiting the expression of ESM-1 in cells or tissues; and treating an animal having a disease or condition associated with ESM-1. The compound is useful for preparing a composition for treating diabetes, cancer, isothaemia or reperfusion injury, or angiogenic, immunological, cardiovascular or neurological disorder. This sequence represents an antisense oligonucleotide that can be used to modulate expression of endothelial specific molecule-1 (ESM-1).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  cytostatic; antidiabetic; immunomodulator; cardiant; neuroprotective; gene therapy; endothelial specific molecule-1; ESM-1; ESM-1; ESM-1 related disorder; diabetes; cancer; ischaemia; reperfusion injury; angiogenic disorder; immunological disorder; cardiovascular disorder; neurological disorder; antisense technology; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               /mod_base= OTHER
/note= "OTHER= phosphorothioate backbone. All cytidine
residues are 5-methylcytidines"
                                                                                                                                                                                                                                                                                                                                                                         Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              nucleotides"
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                                                                                                                                                                                                                                                                                                               Length 20;
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/note= "OTHER= 2'-methoxyethyl (2'-MOE)
                                                                                                                                                                                                                                                                                                                                                                         Indels
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/note= "OTHER= 2'-methoxyethyl (2'-MOE)
                                                                                                                                                                                                                                                           Sequence 20 BP; 8 A; 4 C; 0 G; 8 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human ESM-1 antisense oligonucleotide segid 1931.
                                                                                                                                                                                                                                                                                     1. Score 16.8; DB 1; Local Similarity 90.0%; Pred. No. 2.7e+02; DB 1; Conservative 0; Mismarth
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                       4350 AGATATGAAAATAAGGTTTT 4369
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WPI; 2004-248358/23.
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Thu Aug 18

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              The invention describes a new antisense compound, having a sequence comprising 8-30 bp targeted to a nucleic acid encoding endothelial specific molecule-1 (ESM-1), that specifically hybridises with the nucleic acid ESM-1 and inhibits its expression. Also described are: a composition; inhibiting the expression of ESM-1 in cells or tissues; and treating an animal having a disease or condition associated with ESM-1. The compound is useful for preparing a composition for treating diabetes, cancer, ischaemia or reperfusion injury, or angiogenic, immunological, earliowascular or neurological disorder. This sequence represents an antisense oligomucleotide that can be used to modulate expression of endothelial specific molecule-1 (ESM-1).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              The invention relates to polymorphic nucleic acid sequences encoding the very low density lipoprotein receptor (VLDLr) and methods of analysing a nucleic acid sample for polymorphisms. This method comprises obtaining a nucleic acid sample from one or more individuals, and determining the nucleotide occupying one or more of the polymorphic sites of one or more nucleic acid molecules. The method is useful for predicting the presence,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Very Low Density Lipoprotein Receptor; VLDLr; cardiovascular disease; single nucleotide polymorphism; SNP; coronary heart disease; forensic; paternity testing; ss.
                                                                                                                                                                                                                                                                                                    Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              /*tag= a
/standard_name= "Single nucleotide polymorphism"
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                                                                                                                                                                                                                                                              Score 16.8; DB 1; Length 20; Pred. No. 2.7e+02;
                                                                                                                                                                                                                                                                                                2; Indels
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                                                                                                                                                                                                                           Sequence 20 BP; 8 A; 4 C; 0 G; B T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WLDLr gene, single nucleotide polymorphism #22.
                                                                                                                                                                                                                                                 0.3%; Scor.
90.0%; Pred. No. 2...
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                                                                                                                                                                                                                                                                                                                                   4353 TATGAAATAAGGTTTTGGG 4372
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                                                                                                                                                                                                                                                                                                                                                                                                                                                          BP
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 08-MAR-2000; 2000US-0187787P
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AAS11777 standard; DNA; 21
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                                                                                                                                                                                                                                                                              Local Similarity 90.0
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variation
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAS11777;
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Matches
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ID AAS1
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absence or severity of a particular phenotype or disorder (e.g. cardiovascular disease such as coronary heart disease associated with a particular genotype. The nucleic acids containing the polymorphic sites may also be useful in forenatcs and paternity testing. Wild-type or variant nucleic acid molecules encoding VLDLr or wild-type or variant be used in the diagnosis and treatment of cardiovascular diseases and other diseases associated with VLDLr. The present sequence represents the coding sequence of VLDLr single
                                                                                                                                                                                                                                                                        Gape
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                                                                                                                                                                                                                            0.3%; Score 16.8; DB 1; Length 21; 90.0%; Pred. No. 2.7e+02; ive 0; Mismatches 2; Indels
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Pred. No. 2.7e+02;
0; Mismatches 2; Indel8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Matrix metalloproteinase 2; MMP-2; human, transcription; cis-acting element; transcription factor; PCR; primer; ss.
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                                                                                                                                                                                         Sequence 21 BP; 7 A; 3 C; 5 G; 6 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Matrix metalloproteinase 2 sense PCR primer.
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                                                                                                                                                                                                                                                                                                         3576 TGAACACTCACTTTTTGCAA 3595
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                                                                                                                                                                                                                                                                                                                                               TGAACACTCAGTCTTTGCAA 1
                                                                                                                                                                                                                                                                                                                                                                                                                                              BP
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                                                                                                                                                       nucleotide polymorphism #22
                                                                                                                                                                                                                                                                                                                                                                                                                                            ACC57852 standard; DNA; 21
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                                                                                                                                                                                                                                              Best Local Similarity 90.0
Matches 18; Conservative
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Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ACC57852;
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                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 381
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The present invention describes a set of nucleic amplification primers capable of amplifying a VH-JH or DH-JH IGH, VK-JK or VK/Intron-Kde IGK, Capable of amplifying a VH-JH or DH-JH IGH, VK-JK or VK/Intron-Kde IGK, Vbeta-Jbeta TCRB, VY-JY TCRG, Vdelta-Jdelta, Ddelta-Ddelta TCRD, rearrangement or delta-Ddelta TCRD rearrangement or comprises a forward primer and a reverse primer. Also described: (1) a comprises a forward primer and a reverse primer. Also described: (1) a comprises a forward primer; (2) detecting VH-JH or DH-JH IGH, VK-JK or VK/intron-Kde IGK, Vlambda-Jlambda IGL, Vbeta-Jbeta TCRB or Dbeta-Correcting thromosomal translocation (11:14) (BCLG-TCRD rearrangement; (3) detecting chromosomal translocation (11:14) (BCLG-TCRD rearrangement; (4) detecting chromosomal translocation (11:14) (BCLG-TCRD rearrangement; Correcting chromosomal activating protein (RAGI), promyelocytic leukaemia zinc finger protein activating the set of primers. The new set of nucleic amplification comprising the set of primers. The new set of nucleic amplification comprising the set of primers. The new set of nucleic amplification primers capable of amplifying a VH-JH or DH-JH IGH, Vk-JK or VK/intron-CKG, Vdelta-Jdelta, Ddelta-Ddelta TCRB rearrangement TCRG, Vdelta-Jdelta, Ddelta-Ddelta TCRB rearrangement TCRG, und in agnosing lymphoproliferative disorders. The present transfer in the present in the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      New set of nucleic amplification primers comprising a forward primer and a reverse primer and capable of amplifying a rearrangement, useful in diagnosing lymphoproliferative disorders.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    nucleic acid amplification; primer; PCR; detection;
chromosomal translocation; clonal rearrangement; chromosome aberration;
lymphoproliferative disorder; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Van Dongen JJW, Langerak AW, Schuuring EMD, San Miquel JF;
Garzia Sanz R, Parreira A, Smith JL, Lavender FL, Morgan GJ;
Evans PAS, Kneba M, Hummel M, Macintyre EA, Bastard C;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          sequence is used in an example from the present invention.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TCRB tubes A and B Vbeta family primer Vbeta7.
3078 ACAAGAACCAGATGACAAAC 3097
                                                                2 ACAAGAACCAGATCACATAC 21
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(DAVI/) DAVI F B L.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         WO2004033728-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    15-JUL-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              22-APR-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADM94102;
                                                                                                                                                                                                                                                                                        RESULT 382
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The invention describes an animal model for identifying agents which alleviate the symptoms of, treat, reduce the severity of, or prevent alleviate the symptoms of, treat, reduce the severity of or prevent because the symptoms of, treat, reduce the severity of or prevent preclampsia which has been introduced to the severity of or prevent preclampsia which has been introduced to the severity of or prevent preclampsia which has been introduced to the severity of or prevent preclampsia which has been introduced to the severity of or prevent or amelioration or alleviation or prevention of preclampsia and/or the symptoms; a method of detecting placental preducing an animal suffering from preclampsia; a method of another produced according to the methods above. The development of the model produced according to the methods above. The development of the model produced according to the methods above. The development of the creament. The animal model is useful for identifying nucleic acid. Treatment. The animal model is useful for identifying nucleic acid. Treatment The animal model is useful for identifying nucleic acid. With preclampsia and its development, especially those that up. or downers actual administration to the patient having the disease. And can aid in the prognosis of a patient. The animal model is useful for identifying or creating other animal models based upon the BPH/5 phenotype observed creating other animal models based upon the BPH/5 phenotype observed creating other animal models based upon the BPH/5 phenotype observed creating other animal models based upon the BPH/5 phenotype observed creating other animal models based upon the BPH/5 phenotype observed creating other animal models amouse vascular endothelial growth factor (VEGF) PCR primer used in real time PCR compare placental gene compare placental gene and cST controls.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              New animal model comprising a pregnant borderline hypertensive (BPH/5) mouse and an agent introduced to the mouse, useful for identifying agents which alleviate the symptoms of, treat, reduce the severity of, or
                                                                                                                                                                   gynaecological; animal model; preeclampsia; pregrant borderline hypertensive mouse; pregnant borderline hypertensive mouse; placental abnormality; surrogate patient; prognosis; preclinical testing; placental pathology; mouse; VEGF; vascular endothelial growth factor; PCR; primer; real time PCR; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 21 BP; 5 A; 6 C; 5 G; 5 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Example 2; SEQ ID NO 12; 25pp; English.
              BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                             19-SEP-2003; 2003US-00666980.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          19-SEP-2002; 2002US-0411992P
           ADQ90421 standard; DNA; 21
                                                                                                        (first entry)
                                                                                                                                                   Mouse VEGF reverse primer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (DAVI/) DAVISSON R L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 prevent preeclampsia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WPI; 2004-517058/49.
                                                                                                                                                                                                                                                                                                                                                                          US2004133929-A1.
                                                                                                                                                                                                                                                                                                                                  Mus musculus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Davisson RL;
                                                                                                                                                                                                                                                                                                                                                                                                                       08-JUL-2004.
                                                                                                        23-SEP-2004
                                                                ADQ90421;
AD09042
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0.3%; Score 16.8; DB 1; Length 21;

Query Match

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Gaps

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0.3%; Score 16.8; DB 1; Length 21; 90.0%; Pred. No. 2.7e+02; tive 0; Mismatches 2; Indels

Query Match 0.33 Best Local Similarity 90.03 Matches 18; Conservative

4032 GCTCTGCATTGGTACAAGCA 4051

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The present invention describes a new composition comprising an isolated polypeptide for modified Bacillus thuringiensis crystal proteins (CrylC). The polypeptide of the composition is insecticidally-active against Lepidopterans. The composition is toxic to an insect cell and comprised within an insecticidal formulation can be used as a plant protective spray which is toxic to caterpillars, beetles and mosquitoes. The polypeptide of the composition may be used to kill an insect through ingestion of the composition may be used to kill an insect through with the composition directly or by ingestion of a plant coated with the composition or a transgenic plant that expresses the polypeptide composition. The insecticidal proteins produced by B. thuringiensis are harmless to plants and other non-targeted organisms but toxic to their specific target insect. The polypeptides have improved toxicity so a reduced amount of bioinsecticide per unit area of treated crop can be used allowing economic and efficient utilization in the field. The
                                                                                                                                                                                                                                                                                                                                                                             New modified delta-endotoxin crystal proteins from Bacillus thuringiensis
   Bacillus thuringiensis; delta-endotoxin; insecticide; crystal protein;
                      lepidopteran insect, CrylC; genetic engineering, mutagenesis; mutant, caterpillar; beetle; mosquito; toxic; modification; PCR primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Bacillus thuringiensis, CrylC; crystal protein; insecticide; insect; delta-endotoxin; lepidopteran; modification; genetic engineering; resistance; mutant; mutagenesis; PCR primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        B. thuringiensis crystal gene PCR mutagenesis primer SEQ ID NO:52.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    present sequence represents a PCR mutagenesis primer for the B. thuringiensis CrylC crystal protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0.3%; Score 16.8; DB 1; Length 22; 90.0%; Pred. No. 2.8e+02; ative 0; Mismatches 2; Indel8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 22 BP; 4 A; 7 C; 8 G; 3 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                  are useful in insecticidal compositions
                                                                                                                                                                                                                                                                                                                                                                                                                                   Example 3; Col 71; 144pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GGATCCCTCGAGCTGCAGGA 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 GGATCCCCCGGGCTGCAGGA 20
                                                                                                                                                                                                                                                                                                          Gilmer AJ;
                                                                                                                                                                                                 97US-00980071.
                                                                                                                                                                                                                                    96US-00757536
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAA08162 standard; DNA; 22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     27-JUN-2000 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity 90.0
Matches 18; Conservative
                                                                      Synthetic.
Bacillus thuringiensis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Bacillus thuringiensis
                                                                                                                                                                                                                                                                                                         Baum JA,
                                                                                                                                                                                                                                                                                                                                          WPI; 1999-370510/31.
                                                                                                                                                                                                                                                                       (ECOG-) ECOGEN INC
                                                                                                                                                                                                 26-NOV-1997;
                                                                                                                                                                                                                                    27-NOV-1996;
                                                                                                                            US5914318-A
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                                                                                                                                                             22-JUN-1999
                                                                                                                                                                                                                                                                                                          Mettus AL,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAA08162;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT 386
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IID AAA(
XXX AAAC
XXX AAAC
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                                                                                                                                                                                                                                                                                                                      Mutant; CrylC delta-endotoxin; CrylC.579; insecticidal activity; control; insect; Lepidoptera; Spodoptera exigua; Plutella xylostella; Trichoplusia ni; Spodoptera frugiperda; PCR primer; 88.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PCR primers AAV27859-60 were used in the course of the invention to create mutants of the CrylC delta-endotoxin of Bacillus thuringiensis. The mutant proteins show insecticidal activity, and can be sprayed onto plants or expressed in transgenic plants for the control of insects, particularly Lepidopteran psets such as Spodoptera exigua, Plutella xylostella, Trichoplusia ni and Spodoptera frugiperda
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  New Bacillus thuringiensis nucleic acid segments - comprising delta-
endotoxin gene fragments, used for the control of insects, particularly
Lepidopteran pests.
                      Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps

    B. thuringlensis crystal protein CrylC PCR mutagenesis primer H.

                                                                                                                                                                                                                                                                                      PCR primer H used to create the Cry1C mutants of the invention.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match 0.3%; Score 16.8; DB 1; Length 22; Best Local Similarity 90.0%; Pred. No. 2.8e+02; Matches 18; Conservative 0; Mismatches 2; Indels
 90.0%; Pred. No. 2.7e+02; sive 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 22 BP; 4 A; 7 C; 8 G; 3 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Example 3, Page 98; 270pp; English.
                                                     4591 CAGGGCTTCATCGTAACTGC 4610
                                                                          1 CAGGGCTTCATCGTTACAGC 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 GGATCCCCGGGCTGCAGGA 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               GGATCCCTCGAGCTGCAGGA 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Mettus A;
                                                                                                                                                                                BB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAX80013 standard; DNA; 22 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         97WO-US022181,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            96US-00757536.
                                                                                                                                                                              AAV27859 standard; DNA; 22
                                                                                                                                                                                                                                                   (first entry)
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Best Local Similarity 90.0
Matches 18; Conservative
                                                                                                                                                                                                                                                                                                                                                                                              Synthetic.
Bacillus thuringiensis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gilmer AJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WPI; 1998-322660/28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (ECOG-) ECOGEN INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                  WO9823641-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       26-NOV-1997,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            27-NOV-1996;
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                                                                                                                                                                                                                                                   30-SEP-1998
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     04-JUN-1998
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                                                                                                                                                                                                              AAV27859;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAX80013;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RESULT 385
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ID AAX8
XX
AC AAX6
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The invention relates to an isolated CrylCa* delta-endotoxin polypeptide useful as an insecticide. Cry is a crystal protein from B. thuringiensis. The isolated CrylCa* delta-endotoxin polypeptide comprises: (a) one or more amino acid mutations in the loop regions between alpha helices 4 and 5 of domain 1; (b) one or more amino acid mutations in the loop region between alpha helices 6 and 7 of domain 1; or (c) has improved activity against Lepidopteran insects relative to a native CrylCa* delta-endotoxin polypeptide. The CrylCa* delta-endotoxin polypeptide is useful as an insecticide, particularly for killing Lepidopteran insects or insect cells. The present sequence is a mutagenic PCR primer used to produce a mutant CrylC protein of the invention
                                                                                                The present invention relates to novel transgenic plants comprising Cryl delta-endotoxin genes, in particular crylC genes that encode modified crystal proteins having improved resistance to Lepidopteran insects. The plants that express the mutated CrylC delta-endotoxin crystal proteins are monocotyledonous (corn, wheat, oat, rice, barley, turf grass, pasture grass) or dicotyledonous (legume, soybean, cotton, fruit, berry, tree). The present sequence is a PCR primer which is used for mutagenesis of Bacillus thuringiensis (RXIC DNR. This sequence is used in the exemplification of the invention
Transgenic plants, comprises nucleic acid encoding CrylC delta-endotoxin polypeptide, has improved resistance to Lepidopteran insects.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CRYIC; ss; delta-endotoxin; insecticide; PCR; primer;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        New delta endotoxin polypeptides, which are Lepidopteran-toxic polypeptides, useful as an insecticide, particularly for killing Lepidopteran insects or insect cells.
                                                                                                                                                                                                                                                                                                                                                                 0.3%; Score 16.8; DB 1; Length 22; 90.0%; Pred. No. 2.8e+02; tive 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    B. thuringiensis crystal protein CrylC PCR primer H.
                                                                                                                                                                                                                                                                                                                          Sequence 22 BP; 4 A; 7 C; 8 G; 3 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   lepidopteran insect; mutagenic primer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Example 3; Col 70; 149pp; English.
                                                                       Example 3; Col 235; 151pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 GGATCCCCCGGGCTGCAGGA 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (MONS ) MONSANTO TECHNOLOGY LLC.
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97US-00980071.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ABS70799 standard; DNA; 22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  26-NOV-2002 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                       18; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Bacillus thuringiensis.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         WPI; 2002-705183/76.
                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Crystal protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                22-JUN-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         27-NOV-1996;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RESULT 388
                                                                                                                                                                                                                                                                                                                                                                                                                           Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                    The present invention describes isolated Bacillus thuringiensis CrylC delta-endocoxin polypeptides having: (i) at least one amino acid (aa) mutation in the loop region between alpha-helices 6 and 7 of domain 1; and (ii) better activity gainst Lepidoptera than the native CrylC. The polypeptides, possibly after activity of pores and disturbing crylC. The insects, kills insect cells by formation in the digestive tract of homeostasis. The polypeptides are used to control lepidopteran pests on plants, either: (i) applied as a composition; or (ii) expressed in plants from heterologous nucleic acid (generating insect-resistant plants). They are more active against Lepidoptera than native CrylC. MAA08144 to
                                                                                                                                                                                                                                                                                               New mutant Bacillus thuringiensis endotoxin, used for controlling lepidopteran pests, has mutated loop region to impart higher insecticidal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Cryl protein; delta-endotoxin; insect resistance; lepidopteran insect; transgenic plant; transgenic; PCR; primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0.3%; Score 16.8; DB 1; Length 22; 90.0%; Pred. No. 2.8e+02; ative 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 22 BP; 4 A; 7 C; 8 G; 3 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   primer H used for mutagenesis of CRYIC DNA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          exemplification of the present invention
                                                                                                                                                                                                                                                                                                                                                                                            Example 3; Col 71; 153pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 GGATCCCCCGGGCTGCAGGA 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         GGATCCCTCGAGCTGCAGGA 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Mettus AL;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (MONS ) MONSANTO TECHNOLOGY LLC
                                                                                                                                                                                                                       Baum JA, Gilmer AJ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              BP
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97US-00980071.
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                                                                                                                96US-00757536
97US-00980071
                                                                       99US-00314093
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAD44228 standard; DNA; 22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   13-DEC-2002 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match 0.33
Best Local Similarity 90.03
Matches 18; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Baum JA, Gilmer AJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WPI; 2002-033341/04.
                                                                                                                                                                                                                                                                  WPI; 2000-255697/22
                                                                                                                                                                               (ECOG-) ECOGEN INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 21-JUN-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            27-NOV-1996;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Unidentified
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US6313378-B1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              26-NOV-1997;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      06-NOV-2001.
                                                                       18-MAY-1999;
                                                                                                                27-NOV-1996;
26-NOV-1997;
                                 07-MAR-2000.
                                                                                                                                                                                                                            Mettus AL,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAD44228;
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RESULT 387

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US2003195336-A1.
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                                                                                                                                          27-NOV-1996;
26-NOV-1997;
                                                                                                                                                             22-JUN-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               29-SEP-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PCR primer;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 24-APR-2003
                                                                                                     16-OCT-2003
                                        primer; ss.
                                                                  Synthetic.
                                                                                                                                                                                                                                                                    or fruits.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Synthetic
                                                                                                                                                                                                  Baum JA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ACF42669;
                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                Best Loca
Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                 The invention relates to a nucleic acid segment comprising a delta-
endotoxin gene encoding a Cryl crystal protein. The nucleic acid segment
is useful for a recombinant expression method to prepare a recombinant
polypeptide useful as bioinsecticides. The present sequence is a PCR
primer used to amplify Crylc DNA
                                                                                                                                                                                                           Delta-endotoxin gene; Cryl crystal protein; bioinsecticide; transgenic;
                                                                                                                                                                                                                                                                                                                                                                                                            New nucleic acid segment comprising a delta-endotoxin gene encoding a Cryl crystal protein, useful for a recombinant expression method to prepare a recombinant polypeptide useful as bioinsecticide.
                                               Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
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                          Query Match 0.3%; Score 16.8; DB 1; Length 22; Best Local Similarity 90.0%; Pred. No. 2.8e+02; Matches 18; Conservative 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0.3%; Score 16.8; DB 1; Length 22; 90.0%; Pred. No. 2.8e+02; tive 0; Mismatches 2; Indels
         BP; 4 A; 7 C; 8 G; 3 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 22 BP; 4 A; 7 C; 8 G; 3 T; 0 U; 0 Other;
                                                                                                                                                                                        PCR primer H used to amplify CrylC DNA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                 Example 3; Page 39; 151pp; English
                                                                 1 GGATCCCCCGGGCTGCAGGA 20
                                                                           1 GGATCCCTCGAGCTGCAGGA 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 GGATCCCCCGGGCTGCAGGA 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GGATCCTCGAGCTGCAGGA 20
                                                                                                                                                                                                                                                                                                                                                                        Baum JA, Gilmer AJ, Mettus AL;
                                                                                                                                                                                                                                                                                                                                                     (MONS ) MONSANTO TECHNOLOGY LLC.
                                                                                                                                 멺.
                                                                                                                                                                                                                                                                                                                         97US-00980071.
99US-00337635.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     BP
                                                                                                                                                                                                                                                                                                               96US-00757536.
                                                                                                                                                                                                                                                                                             05-OCT-2001; 2001US-00972175.
                                                                                                                                 AAD59856 standard; DNA; 22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAD64016 standard; DNA; 22
                                                                                                                                                                    (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Local Similarity 90.0
es 18; Conservative
                                                                                                                                                                                                                                                                                                                                                                                          WPI; 2003-616557/58
                                                                                                                                                                                                                                                        US2003101482-A1.
                                                                                                                                                                                                                    PCR; primer; 88.
                                                                                                                                                                                                                                     Unidentified
                                                                                                                                                                                                                                                                                                               27-NOV-1996;
                                                                                                                                                                                                                                                                                                                         26-NOV-1997;
21-JUN-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         12-FEB-2004
        Sequence 22
                                                                                                                                                                     18-DEC-2003
                                                                                                                                                                                                                                                                           29-MAY-2003
                                                                                                                                                  AAD59856;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAD64016;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
                                                                                                               RESULT 389
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RESULT 390
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Matches
                                                                                                                         AAD59856
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Human, ALMS1; chromosome 2, 2p13; Alstrom disease; retinal dystrophy; cardiomyopathy; endocrinopathy; diabetes; Alstrom syndrome; cardiant; ophthalmological; antidiabetic; hepatotropic; nephrotropic; gene therapy;
                                                                          Delta-endotoxin; crystal protein; CrylC; insecticide; lepidopteran; PCR;
PCR primer H used to generate Bacillus thuringiensis CRYIC mutant gene.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                The invention relates to synthetically modified Bacillus thuringiensis Cryl delta-endoroxin genes in particular crylc genes encoding modified crystal proteins having improved insecticidal activity against crystal proteins having improved insecticidal activity against lepidopterans. The invention is useful as insecticides for topical and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             /or systemic application to field crops, grasses, fruits or vegetables and ornamental plants. The present sequence is a PCR primer used to generate Bacillus thuringiensis CRYIC mutant crystal protein gene
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gapa
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0.3%; Score 16.8; DB 1; Length 22; 90.0%; Pred. No. 2.8e+02; ive 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 22 BP; 4 A; 7 C; 8 G; 3 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Example 3; Page 39; Opp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 GGATCCCCCGGGCTGCAGGA 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      GGATCCCTCGAGCTGCAGGA 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (MONS ) MONSANTO TECHNOLOGY LLC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Mettus AL;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               96US-00757536.
97US-00980071.
99US-00337280.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human ALMS1 PCR primer Ex7mR.
                                                                                                                                                                                                                                                                                                                                                                                                                                                    22-JUL-2002; 2002US-00200522
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ACF42669 standard; DNA; 22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Local Similarity 90.0
                                                                                                                                                                                Bacillus thuringiensis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gilmer AJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WPI; 2003-844482/78.
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The invention relates to determining genetic merit of a bovine with respect to milk composition and volume and involves determining the GHR crespect to milk composition and volume and involves determining the GHR growth hormone receptor) genotypic state of the bovine. The genotypic state is determined by the presence of at least one nucleotide difference from the nucleotide sequence, genomic and cDNA encompassing the bovine GHR gene selected from AD103978-AD103981, or by the presence of one or CH-G), Nt 931+21 (A-G), Nt 1922 (C-T), Nt 1055 (C-T), Nt 1635 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Determining genetic merit of a bovine with respect to milk composition and volume comprises determining the GHR genotypic state of the bovine
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Cornet A, Berzi P;
mon P, Georges M, Farnir F;
Tohnson D, Spelman R, Ford C;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             4 synthesis-period of neuroblastoma related primer, SEQ ID 1030.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human; 4 synthesis-period; neuroblastoma; stage 4S; primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   0.3%; Score 16.8; DB 1; Length 22; 90.0%; Pred. No. 2.8e+02; tive 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 22 BP; 7 A; 3 C; 7 G; 5 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Blott S, Kim J, Schmidt-Kuntzel A, Cornet A, Cambisano N, Grisart B, Karim L, Simon P, Ge Coppieters W, Moisio S, Vilkki J, Johnson D,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Example; SEQ ID NO 41; 74pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         3270 TITGICAACTICITCACAGG 3289
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          GHR exons from bovine genomic DNA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          22 TTTGTCAACTTCTCCACAAG 3
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15-AUG-2002; 2002NZ-00520797.
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Best Local Similarity 90.0
Matches 18; Conservative
                                                                                                                                           ď
                                                                                                            KIM J.
SCHMIDT-KUNTZEL
                                                                                                                                                                                                                                                                                                                                                                                                                                                           COPPLETERS W. MOISIO S. VILKKI J.
                                                                                                                                                                                                                  BERZI P.
CAMBISANO N.
GRISART B.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WPI; 2004-062378/06.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    JOHNSON D.
SPELMAN R.
FORD C.
SNELL R.
                                                                                                                                                                                                                                                                                                                                                         SIMON P.
GEORGES M.
                                                                                                                                                                         CORNET A.
                                                                                                                                                                                                                                                                                                                                                                                                                                 FARNIR F.
                                                                       BLOTT S.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                29-JUL-2004
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (SPEL/)
(FORD/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (SNEL/)
                                                                           BLOT/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (VIHOD)
                                                                                                                                                                                                                                                                                                                                                                                                                                 (FARN/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (VILK/)
                                                                                                                                           (SCHIM/
                                                                                                                                                                                    CORN/
                                                                                                                                                                                                                                                        (CAMB/)
                                                                                                                                                                                                                                                                                                                    (KARI/
                                                                                                                                                                                                                                                                                                                                                                                                   GEOR/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        MOIS/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 393
                                                                                                                                                                                                                                                                                             (GRIS/
                                                                                                                                                                                                                                                                                                                                                                    SIMO/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AD016768/
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 The present invention describes a method of diagnosing the presence of, or susceptibility to, retinal dystrophy, cardiomyopathy, endocrinopathy, cardiomyopathy, endocrinopathy, cardiomyopathy in a sample from the individual. The method comprises cyping in a sample from the individual the ALMS1 protein or ALMS1 gene region of the individual, or detecting aberrant ALMS1 activity. Human Cardion, endocrinopathy antidabetic, hepatocropic and nephrotropic activities, and can be used in gene therapy. The method is useful for activities, and can be used in gene therapy. The method is useful for cardiomyopathy, endocrinopathy (e.g. liver disease or renal impairment), cardiomyopathy, endocrinopathy (e.g. liver disease or renal impairment), cardiomyopathy, endocrinopathy or diabetes is useful in manufacturing a cardiomyopathy, endocrinopathy or diabetes is useful in manufacturing a cardiomyopathy, endocrinopathy or diabetes is useful in manufacturing a cardiomyopathy, endocrinopathy or diabetes is useful in manufacturing a cardiomyopathy, endocrinopathy or diabetes as useful in manufacturing a cardiomyopathy cretinal dystrophy, cardiomyopathy, endocrinopathy or diabetes. ACF42632 to ACF42747 and ABR82113 to ABR82118 represent invention
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Diagnosing the presence of, or susceptibility to, retinal dystrophy, cardiomyopathy, endocrinopathy, diabetes, or Alstrom syndrome in an individual, comprises detection or modulation of the ALMS1 protein or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match 0.3%; Score 16.8; DB 1; Length 22; Best Local Similarity 90.0%; Pred. No. 2.8e+02; Matches 18; Conservative 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 22 BP; 2 A; 5 C; 6 G; 9 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Bovine GHR exon amplifying primer GHRex3_R.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Disclosure, Page 39; 121pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          3911 CCACTGTGAATGGCTCTCTG 3930
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               2 CCTCTGTGAATGGCTGTCTG 21
                                                                                                                                                                                                                                                                                                                                                                                Wilson DI, Hearn T, Walker M;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          16-AUG-2002; 2002WO-NZ000157.
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                                                                                                                               2001GB-00025318.
2002GB-00000248.
2002GB-00003039.
2002GB-00003040.
                          15-OCT-2002; 2002WO-GB004658
                                                                                                 2001GB-00024621
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         15-APR-2004 (first entry)
                                                                                                                                                                                                                                                                                                                (UYSO-) UNIV SOUTHAMPTON.
                                                                                                                                                                                                                                                                                                                                                                                                                                                       WPI; 2003-393556/37.
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                                                                                             15-OCT-2001; 22-OCT-2001; 207-JAN-2002; 208-FEB-2002; 208-FEB-2002; 208-FEB-2002; 208-FEB-2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 2002; 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          18-DEC-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        gene region.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Bos taurus.
Synthetic.
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Gaps

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ADI04018;

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expression and activity, or as a target of gene therapy
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    W09912557-A1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                          Synthetic
                                                                                                                                                                                                                                                                                    AAX33800;
                                                                                                                                                                                                                                              RESULT 395
                                                                                                                                                                                                                                                        AAX33800
#X8X00000000000X8
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Tamechika I;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    human; gene therapy; diagnostic marker; pharmaceutical; ss; PCR; primer.
                                                                                                                                                                                                                                                                                                                         Gaps
                                                                                                                                                                   Novel nucleic acid obtained from 4 synthesis-period of neuroblastoma cells useful for prognosing and determining progress stage of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              for
                                                                                                                                                                                                                         The present invention relates to human nucleic acid sequences (I, ADO15739-ADO15912) obtained from 4 synthesis-period (stage 4S) of neuroblastoma cell. (I) is useful for prognosing and determining th progress stage of 4 synthesis-period of neuroblastoma. The present sequence is a primer, used to illustrate the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Ishii S;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            New polynucleotides and polypeptides are useful in gene therapy, developing a diagnostic marker or medicines for regulating their
                                                                                                                                                                                                                                                                                                                         ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Otsuki T, Wakamatsu A, Sato H, Isł
Hio Y, Otsuka K, Nagai K, Irie R,
Otsuka M, Nagahari K, Masuho Y;
                                                                                                                                                                                                                                                                                                    0.3%; Score 16.8; DB 1; Length 22; 90.0%; Pred. No. 2.8e+02; ive 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                   Sequence 22 BP; 8 A; 9 C; 0 G; 5 T; 0 U; 0 Other;
                                                                                                                                                                                                        Claim 8; SEQ ID NO 1030; 455pp; Japanese.
                                                                                                                                                                                                                                                                                                                                          4620 TGGGATTGTGAAGGTGTGGA 4639
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human PCR primer SEQ ID NO:4995.
                                                                                                                                                                                                                                                                                                                                                          20 recearrareaacrreres 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (REAS-) RES ASSOC BIOTECHNOLOGY
                                                                                                   (HISM ) HISAMITSU PHARM CO LTD (CHIB-) CHIBA PREFECTURE.
                                                                                                                                                                                                                                                                                                                                                                                                           ADM06310 standard; DNA; 18 BP
                                                                                 30-OCT-2002, 2002JP-00316586.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              12-APR-2002; 2002EP-00008400.
                                                               2003WO-JP013932
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                22-MAR-2002; 2002JP-00137785
                                                                                                                                                                                                                                                                                                                                                                                                                                               20-MAY-2004 (first entry)
                                                                                                                                                                                                                                                                                                  Query Match 0.3
Best Local Similarity 90.0
Matches 18; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Isogai T, Sugiyama T,
Yamamoto J, Isono Y, I
Seki N, Yoshikawa T, (
                                                                                                                              Ohira M;
                                                                                                                                                  WPI; 2004-390323/36.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WPI; 2003-723558/69
                         WO2004039975-A1.
                                                                                                                                                                                      neuroblastomas.
                                                                                                                               Nakagawara A,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         EP1347046-A1.
                                                              30-OCT-2003;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          24-SEP-2003.
                                            13-MAY-2004
        Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                            ADM06310;
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This sequence represents a PCR primer for a S. aureus polynucleotide of the invention. The invention also relates to the polypeptides encoded by the S. aureus polynucleotides. The polypeptides can be used for the treatment or prevention of disease. The polypeptide or polynucleotide can
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                                                                                                                                                               is useful
                                                                The invention relates to a novel human polynucleotide and the encoded polypeptide. A polynucleotide of the invention may have a use in gene therapy. An oligonucleotide of the invention ADM06202-ADM06733 is useful as a primer for synthesizing the polynucleotide or as a probe for detecting the polynucleotide. The polynucleotides ADM01315-ADM03758 are useful in gene therapy, for developing a diagnostic marker or medicines for regulating their expression and activity, or as a target of gene therapy. The proteins ADM03759-ADM06201 encoded by the polynucleotides are useful as pharmaccutical agents. The present sequence represents an oligonucleotide used in the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0.3%; Score 16.4; DB 1; Length 18; 94.4%; Pred. No. 2.9e+02; ive 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          S. aureus coding sequence PCR primer SEQ ID NO. 31.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     New isolated Staphylococcus aureus polynucleotides.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 18 BP; 5 A; 8 C; 2 G; 3 T; 0 U; 0 Other;
Example 8; SEQ ID NO 4995; 305pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Warren PV;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Disclosure; Page 83; 102pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       3813 CCATCCTCTACAAAGCAG 3830
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (SMIK ) SMITHKLINE BEECHAM CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 CCATCCTCTACACAGCAG 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    BP
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          97US-0058710P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAX33800 standard; DNA; 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        25-JUN-1999 (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Matches 17; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Staphylococcus aureus.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity
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calso be used to diagnose diseases related to their expression. The polypeptides and vectors containing them can also be used in immunisation polypeptides and vectors containing them can also be used in immunisation methods. The products can be used for treating infection, e.g. infections of the upper respiratory tractifies, bacterial tracheitis, contemporations, contemporations, contemporations, caute epiglottitis, thyroiditis), respiratory (e.g. empyema, lung abscess), cardiac (e.g. infective endocarditis), gastrointestinal (e.g. conjunctivitis, keratitis, endophthalmitis, preseptal and orbital conjunctivitis, keratitis, endophthalmitis, preseptal and orbital collulitis, darryooystitis), kidney and urinary tract (e.g. blepharitis, epididymitis, intrarenal and perinaphric abscess, toxic shock syndrome), skin (e.g. impetigo, folliculitis, cutaneous abscesses, cellulitis, wound infection, bacterial myositis), bone and joint (e.g. septic arthritis, cancer, ulcers and gastritis). The products can also be used for treating in-dwelling devices and wounds
                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 This sequence is a PCR primer used in the cloning of the T66Bk gene. The invention related to a nucleic acid molecule (I) comprising a transcription unit encoding in its 5' portion a kinase having a homology to MARK2 kinase and the 3' portion of the nucleotide sequence has a high homology to rsk3 kinase. Sperm produced by transgenic creatures containing (I) are useful for production of offspring. T66Bk, its regulatory region, recombinant DNA, vectors, host cells, antibodies, etc., are useful for the isolation of receptors on the surface of sperm recognising attractants of the egg cell for the development and/or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Transcription unit; MARK2 kinase; rsk3 kinase; regulatory region; T66Bk; contraceptive; Responder/Distorter signalling cascade; t-Responder;
                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                ö
                                                                                                                                                                                                                                                                                                                                                                                / Match 0.3%; Score 16.4; DB 1; Length 19; Local Similarity 94.4%; Pred. No. 2.9e+02; les 17; Conservative 0; Mismatches 1; Indela
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Nucleic acids involved in the Responder phenotype in mice.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (PLAC ) MAX PLANCK GES FOERDERUNG WISSENSCHAFTEN
                                                                                                                                                                                                                                                                                                                                                 Sequence 19 BP; 4 A; 5 C; 8 G; 2 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PCR primer for cloning of T66Bk gene.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Koschorz B, Kispert A;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Example 7; Page 59; 117pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         18 GGAATTCGGCACGAGGGG 35
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 ggaarrcgccaccacccc 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             98WO-EP007395.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAX76854 standard; DNA; 20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PCR primer; ss.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         27-MAY-1999
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                                                                                                                                                                                                                                                                                                                                                                                                Query Match
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production of contraceptives. They can also be used to identify chemicals or biological compounds able to trigger the (premature) activation or inhibition of the Responder/Distorter signalling cascade, or to identify and isloate receptors and other members of the cascade that bind the expression products. The methods for detecting the sperm of the cransgenic animal, and selecting against (I) also provide a means for transgenic animal, and selecting against (I) also provide a means for the remainsain artio of genetic traits by altering genes of the Responder/Distorter signal cascade other than the t-Responder. They calso allow distortion, to a non-Mendelian ratio, of the transmission of a sneetic trait, i.e. determination of sax, from male mammals to their of genetic trait, i.e. determination of sax, from male mammals to their coffspring by expressing during spermatogenesis/spermiogenesis a gene involved in sperm motility and/or fertilisation. The genes and proteins involved in the responder phenotype and Responder/Distorter signalling cascade, as well as the inventive methods are advantageous in breeding strategies by allowing for specific selection of genetic traits and in the protein of sex
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    New compounds antisense to nucleic acid encoding human or mouse tumor necrosis factor receptor 2 are useful to treat disease associated with
                                                                                                                                                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Tumour necrosis factor receptor 2; TNFR2; antisense oligonucleotide; phosphorothioate; 2'-O-methoxyethyl; ss.
                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                  Score 16.4; DB 1; Length 20;
Pred. No. 2.9e+02;
0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                /note= "2'-0-methoxyethyl nucleotides"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        /mod_base= OTHER
/note= "2'-O-methoxyethyl nucleotides'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Human TNFR2 antisense oligonucleotide SEQ ID NO:57.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         'note= "phosphorothioate linkages"
                                                                                                                                                                                                                                                                                                    Sequence 20 BP; 8 A; 5 C; 7 G; 0 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Location/Qualifiers
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/mod_base= OTHER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           mod_base= OTHER
                                                                                                                                                                                                                                                                                                                                                                                                            3412 CAGCAAAAGCGGGAGCAG 3429
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                                                                                                                                                                                                                                                                                                                                           0.3%;
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Best Local Similarity 94.4
Matches 17; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 397
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                                                                                                                        The present invention describes compounds of 8-30 nucleobases antisense to a nucleic acid encoding human or mouse tumour necrosis factor receptor 2 (TNFR2). Also described is a method for inhibiting expression of human or mouse TNR2 comprising contacting cells or tissues in vitro with one of the claimed compounds. The antisense compounds are used to treat a disease or condition associated with expression of TNFR2. The present sequence represents a human TNFR2 antisense chimeric phosphorothioate oligonucleotide, which is given in the present invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Pharmaceutical composition for treating ailments associated with impaired respiration, has oligo(s) antisense to specific gene(s) or its corresponding RNAs, and glucocorticoid or non-glucocorticoid steroid or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        The invention relates to a novel pharmaceutical composition, which has a first active agent comprising an oligonucleotide antisense to the initiation codon, coding region, 5' or 3' end genomic flanking regions, 5' and 3' intron-exon junctions, or regions within 2-10 nucleotides of junctions of genes encoding a polypeptide associated with lung and/or masal airway dysfunction and a second active agent comprising an antifilammatory steroid and ubiquinone. A composition of the invention has antiinflammatory, antiallergic, antiasthmatic, hypotensive,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human; antisense; lung dysfunction; nasal airway dysfunction; antiinflammatory steroid; ubiquinone; antiinflammatory; antiallergic; antisathmatic; Pypotensive; immunosuppressive; cycostatic; gene therapy; antisense gene therapy; respiratory; lung; adenosine sensitivity; adenosine receptor; bronchodilation; bronchoconstriction; lung allergy; lung inflammation; respiratory disease; ds.
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Pred. No. 2.9e+02;
0; Mismatches 1; Indels
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   tumor necrosis factor receptor 2 expression.
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Tang L, Shahabuddin S;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Human oligonucleotide sequence.
                                                                 Claim 3; Col 47; 69pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      BP
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ABZ85728 standard; DNA; 20
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immunosuppressive, and cytostatic activity. The composition may have a use in antisense gene therapy. The composition is useful for treating or preventing a respiratory, lung or malignant disease or condition, also for enhancing the prophylactic or therapeutic respiratory effect of an antiinflammatory steroid in a subject, for reducing or depleting levels of, or reducing sensitivity to adenosine, reducing levels of adenosine receptor, producing bronchodilation, increasing levels of udequinone or lung surfactant in a subject's tissue, or treating bronchoconstriction, lung inflammation, lung allergies, or a respiratory disease or condition. Note: The sequence data for this patent is not represented in the printed specification, but was obtained in electronic format directly from WIPO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human; antisense; bronchoconstriction, allergy; hyposecretion; pain; respiratory tract inflammation; adenosine sensitivity; lung; cancer; surfactant depletion; antiallergic, antiinflammatory; antiashmatic; analgesic; hypotensive; immunosuppressive; cycostatic; cystic fibrosis; beta-adrenergic agonist; respiratory disease; pulmonary vasoconstriction; respiratory districtions and respiratory districtive beta-adrenergic obstructive pulmonary disease; pulmonary hypertension; emphysema; chronic obstructive pulmonary disease; cancer; bronchitis; pulmonary transplantation rejection; ss; primer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     comprising oligonuclectides, effective for alleviating bronchoconstriction, respiratory tract inflammation, allergies and bronchoconstriction, respiratory levels of adenosine (A) or (A) receptors, surfactant depletion or hyposecretion, when administered to a mammal. The oligonuclectides are derived from a gene encoding or regulating
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    This invention describes a novel composition (a) a first active agent
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                                                                                                                                                                                                                                                                                                             Length 20;
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                                                                                                                                                                                                                                                                   Sequence 20 BP; 4 A; 2 C; 7 G; 7 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                       Score 16.4; DB 1;
Pred. No. 2.9e+02;
0; Mismatches 1;
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                                                                                                                                                                                                                           at ftp.wipo.int/pub/published_pct_sequences
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Tang L, Shahabuddin S;
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Miller S,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ABD21958;
                                                                                                                                                                                                                                                                                                         Query Match
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expression of a target polypeptide associated with lung airway or lung dysfunction or cancer and can be anti-sense to the corresponding mRNA.

The invention also describes a kit, that comprises: (a) a delivery device, in separate containers, (b) the oligomucleotides, (c) instructions for adding a carrier and for use of the kit. The composition of the invention has antiallargic, antiinflammatory, antiasthmatic, analgesic, hypotensive, immunosuppressive and cytostatic activity, is a beta-adrenergic agonist. The composition is useful for preventing or treating a respiratory, lung or malignant disease. The administered composition comprises oligo and is administered to reduce the production or availability, or to increase the degradation of the target mRNA or to composition comprises oligo and is administered to reduce the amount of target polypeptide present in the lungs. The pulmonary obstruction, and/or bronchoconstriction and/or lungs or seduce the amount of target polypeptide present in the lungs. The pulmonary obstruction, and/or bronchoconstriction and/or lung inflammation, allergies add/or bronchoconstriction are associated inflammation, allergies asthma, impeded respiration, respiratory distress syndrome, pain, cystic fibrosis, allergic rhinitis, pulmonary transplantation rejection, pulmonary infections, bronchitis or cancer. The reduced adenosine content of the anti-sense oligos corresponding to the oligonucleotides into products that free adenosine into the system center any unwanted effects due to it
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; 0 0.3%; Score 16.4; DB 1; Length 20; 94.4%; Pred. No. 2.9e+02; 1; Indels 0; Mismatches 2126 CACATCCAAATGGAAATT 2143 CACATCCAACTGGAAATT 3 Query Match 0.3%; Best Local Similarity 94.4%; Matches 17; Conservative 20 à a

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Gaps

ADK77211 standard; DNA; 20 BP. (first entry) 20-MAY-2004 ADK77211; 400

Chimeric phosphorothioate oligonucleotide to target Navl.3 #4545.

Nav1.3; Analgesic; Nootropic; Neuroprotective; post-herpetic neuralgia; diabetic neuropathy; arthritic pain; migraine headache; infantile epilepsy; ataxia; ss.

Synthetic

WO2004016754-A2.

26-FEB-2004

14-AUG-2003; 2003WO-US025465.

14-AUG-2002; 2002US-0403416P.

(PHAA) PHARMACIA CORP.

Roberds SL;

WPI; 2004-203785/19.

New antisense compound targeted to a nucleic acid molecule encoding Nav1.3, useful for useful for treating a disease or condition associated with Nav1.3, e.g. pain, seizure disorder such as childhood seizure disorder, or ataxia.

Claim 4; SEQ ID NO 4545; 417pp; English.

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             nucleic acid molecule encoding Navi.3, where the antisense compound specifically hybridizes with and inhibits the expression of Navi.3. The compound and composition are useful for treating a disease or condition associated with Navi.3, e.g. pain including but not limited to neuropathic pain, post-herpetic neuralgia, chronic pain, lower back pain, diabetic neuropathy, trigeminal neuropathy, arthritic pain, acute pain, pain from burns, migraine headache, cluster headache, mild-to-moderate headache; seizure disorder such as childhood seizure disorder, including but not limited to neonatal or infantile epilepsy; or ataxia. The present sequence represents a chimeric phosphorothioate olisonucleotide with 2, MOB wings and a deoxy gap. Used during the antisense inhibition of human Navi.3 expression, the oligonucleotides are designed to target
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                nucleic acid molecule encoding Navi.3, where the antisense compound specifically hybridizes with and inhibits the expression of Navi.3. The compound and composition are useful for treating a disease or condition associated with Navi.3, e.g. pain including but not limited to neuropathic pain, post-herpetic neuralgia, chronic pain, lower back pain, diabetic neuropathy, trigeminal neuropathy, arthritic pain, acute pain, pain from burns, migraine headache, cluster headache, mild-to-moderate headache; seizure disorder such as childhood seizure disorder, including but not limited to neonatal or infantile epilepsy; or ataxia. The present
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              New antisense compound targeted to a nucleic acid molecule encoding May1.3, useful for useful for treating a disease or condition associated with Nav1.3, e.g. pain, seizure disorder such as childhood seizure disorder, or ataxia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Navl.3; Analgesic; Nootropic; Neuroprotective; post-herpetic neuralgia; diabetic neuropathy; arthritic pain; migraine headache; infantile epilepsy; ataxia; 8s.
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  present invention relates to an antisense compound targeted to a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 The present invention relates to an antisense compound targeted to
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Chimeric phosphorothicate oligonuclectide to target Nav1.3 #4195.
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                                                                                                                                                                                                                                                                                                                                                            0.3%; Score 16.4; DB 1; Length 20; 94.4%; Pred. No. 2.9e+02; ve 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                      Sequence 20 BP; 7 A; 5 C; 4 G; 4 T; 0 U; 0 Other;
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                                                                                                                                                                                                                                                                                                                                                                                Local Similarity
nes 17; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WO2004016754-A2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Synthetic.
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4458 CACTGAAGTTGTCCAGGA
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음 '중
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  New antisense compound targeted to a nucleic acid molecule encoding abav1.3, usful for useful for treating a disease or condition associated with Nav1.3, e.g. pain, selzure disorder such as childhood seizure disorder, or ataxia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Navl.3; Analgesic; Nootropic; Neuroprotective; post-herpetic neuralgia; diabetic neuropathy; arthritic pain; migraine headache; infantile epilepsy; ataxia; ss.
                                                                                                                                                                                                                                Gaps
sequence represents a chimeric phosphorothioate oligonucleotide with 2'MOE wings and a deoxy gap. Used during the antisense inhibition of human Navl.3 expression, the oligonucleotides are designed to target different regions of the human Navl.3 RNA.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Chimeric phosphorothioate oligonucleotide to target Nav1.3 #5838
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                                                                                                                                                                           Query Match 0.3%; Score 16.4; DB 1; Length 20; Best Local Similarity 94.4%; Pred. No. 2.9e+02; Matches 17; Conservative 0; Mismatches 1; Indels
                                                                                                                            Sequence 20 BP; 6 A; S C; 4 G; S T; 0 U; 0 Other;
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                                                                                                                                                                                                                                                                                4475
                                                                                                                                                                                                                                                                                                             2 CACTGAAGTTCTCCAGGA 19
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                                                                                                                                                                                                                                                                             4458 CACTGAAGTTGTCCAGGA
                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADK78504 standard; DNA; 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADK78504;
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The invention relates to a method of treating a neurodegenerative disorder comprises administering to an individual cells capable of exogenously regulatable neurotransmitter synthesis. Treating a neurodegenerative disorder comprises administering to an individual cells capable of exogenously regulatable neurotransmitter synthesis and periodically exposing the individual to an agent or condition capable of regulating the synthesis of the neurotransmitter in the cells. The method and cells are useful in treating a neurodegenerative disorder e.g. multiple sclerosis, amyotrophic lateral sclerosis, autoimmune encephalomyplitis, Alzheimer's disease, or Huntington's disease, preferably Parkinson's disease. The present sequence represents a human CD90 reverse transcription (RT)-PCR primer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        exogenously regulatable neurotransmitter synthesis; multiple sclerosis; amyotrophic lateral sclerosis; autoimmune encephalomyelitis; Alzheimer's disease; Huntington's disease; Parkinson's disease; human; reverse transcription; RT-PCR; primer; 88.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Treating a neurodegenerative disorder, e.g. multiple sclerosis, or
Alzheimer's, Huntington's or Parkinson's diseases, comprises
administering cells capable of exogenously regulatable neurotransmitter
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
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14.4%; Pred. No. 2.9e+02;
ve 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                           Human CD90 reverse transcription (RT)-PCR primer #1.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                            CD90; neurodegenerative disorder;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       2978 TAGTGGACCAGAGCCATC 2995
1 CACTGAAGTTCTCCAGGA 18
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                                                                                                                                                                                      BP.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              17-NOV-2003; 2003WO-IL000972.
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Best Local Similarity 94.41
Best Local 17; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Melamed E,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WPI; 2004-420630/39.
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0.3%; Score 16.4; DB 1; Length 20; 94.4%; Pred. No. 2.9e+02; Ive 0; Mismatches 1; Indels

94.48;

Best Local Similarity 94.4 Matches 17; Conservative

Query Match

AAH62440;

variation

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The invention comprises the amino acid and coding sequences of novel human proteins - designated NoVX proteins (e.g. NoV1). The NoVX DNA and protein sequences are useful for treating or preventing NOVX-associated disorders, such as: diabetes; obesity; infectious disease; anorexia; neurodegenerative disorders; Alzeimer's disease; Parkinson's disease; immune disorders; haematopoietic disorders; dyslipidaemias; metabolic syndrome X; wasting disorders; cancer; Chron's disease; cirrhosis; liver failure; infertility; cardiomyopathy; atherosclerosis; hypertension; scleroderma; haemophilia; pancreatitis; asthma; pain; psoriasis; and epilepsy. The NoVX DNA sequences of the invention are useful in screening assays and detection assays (e.g. chromosomal mapping, tissue typing and forensic biology). The NoVX DNA sequences can also be used to create a transpend animal.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Novel isolated human polypeptide, designated NOVX, useful for treating or preventing cancer, diabetes, obesity, dyslipidemia, anorexia, and metabolic, neurodegenerative, immune and hematopoietic disorders.
                            diabetes; obesity; infectious disease; neurodegenerative disorder; ss; anorexia; Alzheimer's disease; Parkinson's disease; immune disorder; haematopoietic disorder; dyslipidaemias; metabolic syndrome X; cancer; wasting disorder; Chron's disease; cirrhosis; liver failure; infertility; cardiomyopathy; atherosclerosis; hypertension; scleroderma; haemophilia; pancreatitis; asthma; pain; psoriasis; epilepsy; chromosomal mapping; tissue typing; forensic blology; transgenic animal.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Furtak K, Perna A, Patturajan M, Shimkets RA, Guo X;
SJ, Burgess CE, Malyankar UM, Tchernev VT, Vernet CAM;
KA, Agee M, Rastelli L, Shenoy SG, Grosse WM, Alsobrook JP;
DM, Gerlach V, Edinger S, Macdougall JR, Peyman JA;
F, Stone DJ, Ellerman K, Gangolli EA;
         NOVX; NOV; PCR; primer; gene therapy; NOVX-associated disorder;
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Pred. No. 2.9e+02;
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2000US-0242768P.
2000US-024282P.
2000US-0243502P.
2000US-0243591P.
2000US-0243591P.
2000US-0243591P.
2000US-0243591P.
2000US-0243591P.
2000US-024350P.
2000US-024360P.
2001US-030206P.
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Best Local Similarity 94.4%;
Matches 17; Conservative
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24-0CT-2000;
24-0CT-2000;
26-0CT-2000;
26-0CT-2000;
26-0CT-2000;
26-0CT-2000;
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Gunther E,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    DNA sequences AAH62100 - AAH62688 represent segments of human genes which contain single nuclectide polymorphisms (SNPs). A method is included in the invention for analysing a nucleic acid sample, which consists of determining the base occupying any one of the polymorphic sites of the SNP containing sequences. The nucleotide sequences can be used in the diseases, diseases of the cardiovascular system, and infection by microorganisms. The oligonucleotides are also useful in the manufacture of a medicament for the treatment or prophylaxis of the diseases, and as a pharmaceutical. SNP containing oligonucleotides are useful in applications such as pharmaceutical such as pharmaceutical in the manufacture of a medicament for the treatment or prophylaxis of the diseases, and as a pharmaceutical such as pharmaceutical.
                                                                                                              Proteasome 26S subunit ATPase polymorphism containing DNA fragment #341.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     New nucleic acid segments of the human genome, particularly from genes including polymorphic sites, for phenotype correlation, forensics, paternity testing, medicine and genetic analysis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Revised record issued on 09-SEP-2004 ; Correction to Feature Table Key
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                                                                                                                                                         Single nucleotide polymorphism; SNP; human; cancer; inflammation; heart disease; paternity testing; forensic science; ds.
                                                                                                                                                                                                                                                                                                                                                     /*tag= a
/standard name= "single nucleotide polymorphism"
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14.4%; Pred. No. 2.9e+02;
ve 0; Mismatches 1; Indels
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                                                                                                                                                                                                                                                                                                    Location/Qualifiers
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Matches 17; Conservative
                                                                                (first entry)
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                                                        (revised)
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                                                                                                                                                                                                                                         Homo sapiens
Unidentified
                                                        09-SEP-2004
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1; Indels

21

TCCTGAAGGTTTTGTTGA

pp

(first entry)

28-NOV-2002

EXEXEX B

ABT08334;

RESULT 405 ABT08334

Query Match

8 셤 Human NOV4a PCR primer #2.

Page 197

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cardiant, hypotensive, antiarteriosclerotic, anorectic, virucide, cardiant, hypotensive, antiarteriosclerotic, anorectic, virucide, cardiant, hypotensive, antiarteriosclerotic, anceptic, neuroprotective, antibarkinsonian, anticonvulsant, osteopathic, antiarthritic, antiarthritic, antinflammatory, dermatological, antiarthritic, antiarthritic, antinflammatory, dermatological, antiarthritic, antinflammatory, dermatological, antiarthritic, antinflammatory, dermatological, antiarthritic, antinflammatory be useful in the manufacture of a medicament for treating metabolic disorders, diabetes, obseity, infectious diseases (viral, bacterial, tungal, helminthic, and protozoal), anorexia, cancer, cardiovascular diseases including hypertension and atherosclerosis, neurodegenerative disorders, asthma and various types of dyslipidammatory clisorders, asthma and various types of dyslipidammatory skin disorders as asthma and various types of dyslipidammin, and the nucleic acids and polypeptides may also be used as targets for the identification of small molecules that modulate or inhibit neurogenesis, cell differentiation, cell proliferation, hammopolesis, wound healing and anglogenesis, in gene therapy and the in generation of antibodies that child immunospecifically to NOVX substances for use in therapeutic or diagnostic methods. The nucleic acids may be further used as
                                                                                                                                                                                                                                                                                                                                                                hybridisation probes, in chromosome mapping, tissue typing, preventive medicine and pharmacogenomics. The current sequence is that of the human NOVX-related PCR primer which was used in the exemplification of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 21 BP; 3 A; 3 C; 6 G; 9 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     17; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WPI; 1995-131187/17.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WO9507716-A1,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    16-SEP-1994;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       17-SEP-1993;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               23-MAR-1995.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               25-MAR-2003
16-OCT-1995
                                                                                                                                                                                                                                                                                                                                                                                                                          invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAQ86460;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RESULT 407
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAQ86460
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            요
                                                                                                                                                                                                    NOVX; antidiabetic; anorectic; cardiant; hypotensive; antidiabetic; anorectic; virucide; antibaccerial; fungicide; protozoacide; nootropic, neuroprotective; antibacterial; fungicide; anticorvulsant; osteopathic; antiarthritic; antinflammatory; dermatological; antiasthmatic; antilipaemic; metabolic; diabetes; obseity; infection; anorexia; cancer; cardiovascular; hypertension; atheroscleroals; neurodegenerative; Alzheimer's disease; Parkinson's; epilepsy; immune; osteoarthritis; haemopoietic; incrogenesis; call differentiation; proliferation; haemopoiesis; wound healing; anglogenesis; gene therapy; chromosome mapping; tissue typing;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   New isolated NOVX polypeptide, useful for preventing, diagnosing or treating NOVX-associated disorders, e.g. osteoarthritis, obesity, atherosclerosis, cancer, Parkinson's disease, asthma, or infections.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Alvarez E, Anderson DW, Boldog FL, Catterton E, Edinger SR; Fernandes ER, Gerlach VL, Gorman L, Grosse WM, Guo X, Ji W; Kekuda R, Li L, Macdougall JR, Padigaru M, Patturajan M; Peterson JD, Rastelli L, Shimkets RA, Spytek KA, Stone DJ; Vernet CAM, Voss EZ, Zhong M;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      The invention relates to a novel isolated NOVX polypeptide. The
                                                                                                                                                                         Reverse PCR primer Ag2764 used to analyse human NOV expression.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Example C; SEQ ID NO 390; 478pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                      pharmacogenomic; human; PCR; primer; ss.
                                                          ADH17700 standard; DNA; 21 BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  .002US-0384044P
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2002US-0393333P.
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2002US-0402171P.
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                                                                                                                                    (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WPI; 2004-053040/05.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WO2003093432-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                           Homo sapiens.
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09-AUG-2002;
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23-SEP-2002;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               31-MAY-2002;
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22-AUG-2002;
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                                                                                                                                    11-MAR-2004
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                                                                                               ADH17700;
                       RESULT 406
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Gaps

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Score 16.4; DB 1; Length 21; Pred. No. 2.9e+02; 0; Mismatches 1; Indels

0.3%;

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Compsn. of monoclonal antibodies against interferon receptor - useful as immuno:modulator, eg. for treating AIDS.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                The primers and probes given in AAQ86459-75 were used to amplify and detect IFN-alpha, IFN-beta, IFN-camma, IFN-omega and aldolase A species
                                                                                                                                                                                                Interferon receptor; IFN; interferon-alpha; monoclonal antibody; immunomodulator; AIDS; HIV; human immunodeficiency virus; primer; PCR; polymerase chain reaction; 89.
                                                                                                                                                                                                                                                                                                                                                                           (EUBI-) LAB EURO BIOTECHNOLOGIE SA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Example 5; Page 49; 105pp; English.
1161 TCCTGAACGTTTTGTTGA 1178
                       21
                                                                                    AAQ86460 standard; DNA; 21 BP.
                                                                                                                                                                                                                                                                                                                          94WO-EP003114
                                                                                                                                                                                                                                                                                                                                                  93EP-00402279
              4 TCCTGAAGGTTTTGTTGA
                                                                                                                                                                         IFN-alpha nt723-732 primer.
                                                                                                                                                 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                   Tovey MG, Benizri EJ;
                                                                                                                                    (revised)
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Length 21;

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This invention describes a novel method for identifying an inhibitor potentially useful for treatment of cancer, where the inhibitor is active potentially useful for treatment of cancer, where the inhibitor is active on a gene vital for cell growth or viability, and where the gene is cused for preventing the development of cancer. The inhibitor is precancerous condition, by administering to the patient having a present in cells of the precancerous condition, where the normal somatic cells of the patient are heterozygous for the first gene, the inhibitor is active on at least one but less than all allelic forms of the gene present in a population and targets only one allelic forms of the gene correct is active on at least one but less than all allelic forms of the gene commal somatic cells, and the first gene. The products and methods can be cancers, atheroselerotic plaques, premalignant metaplastic or dysplastic cancers, atheroselerotic plaques, premalignant metaplastic or dysplassic cancers, and the disease. The method can also be used to remove allowed the state of the maintain cells from bone matrow transplants. AMZSS812-Z26825 represent human and the cancers of the invantion the cancers of the cancer of
                                                                                                                                                                                           ö
in the sera of HIV-infected individuals. IFN-alpha-5 was the dominant IFN species present. (Updated on 25-MAR-2003 to correct FN field.)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Polymorphism; human; inhibitor; cancer; treatment; cell growth; LOH; cell viability; loss of heterozygosity; precancerous condition; ASI; allele specific inhibitor; somatic cell; diagnosis; prevention; atheroselerotic plaque; premalignant metaplastic lesion; endometriosis; dysplastic lesion; benign tumour; polycystic kidney disease; transplant; graft versus host disease; malignant cell removal; bone marrow; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Identifying target genes for allele-specific drugs - used for diagnosis, prevention and treatment of, e.g. cancers, atherosclerotic plaque, dysplastic lesions, endometriosis or graft versus host disease.
                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 human polymorphic sites described in the method of the invention
                                                                                                                                                                                              ö
                                                                                                                                         21;
                                                                                                                                                                                           3; Indels
                                                                                                                                   Match 0.3%; Score 16.2; DB 1; Length Cocal Similarity 85.7%; Pred. No. 3.1e+02; les 18; Conservative 0; Mismatches 3; Indels
                                                                                 Sequence 21 BP; 7 A; 5 C; 5 G; 4 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                   2165 TACATGAAATGGTCCAGCAGA 2185
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Stanton VP;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Disclosure; Fig 7; 605pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                         BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Human polymorphic region 774.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WPI; 1998-521232/44.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         19-MAR-1998;
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                                                                                                                                                 Query Match
                                                                                                                                                                                                      Matches
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Sequence 21 BP; 4 A; 7 C; 3 G; 7 T; 0 U; 0 Other;

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               T cell-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Morales JM;
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                            Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Modulating cell movement within the skin, useful for treating immunological skin conditions or diseases comprises administering attracting chemokine or vasoactive intestinal contractor chemokine
                                                                                                                                                                                                                                                                                 Cutaneous T-cell attracting chemokine; CTACK; skin; cell movement; migration; vasoactive intestinal contractor; Vic; GPR2; agonist; antibody; immunological condition; mutein; primer; ss.
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                            Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 21 BP; 3 A; 9 C; 2 G; 7 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0.3%; Score 16.2; DB 1;
ilarity 85.7%; Pred. No. 3.1e+02;
Conservative 0; Mismatches 3;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Hudak SA,
0.3%; Score 16.2; DB 1;
85.7%; Pred. No. 3.1e+02;
iive 0; Mismatches 3;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Soto H, Lui Y, V LM, Zlotnik A;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1670 GAGAGCCTAAGGAAAATGGGC 1690
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Example 5; Page 50; 79pp; English.
                                                           644 TTGAATATGATAAAAGCCTGG 664
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   21 GGGATGCTAAGGAAAATGGGC 1
                                                                                        Trcaagargacaaaggccrgg 1
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                                                                                                                                                                  AAA47555 standard; DNA; 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Wang W, Oldham ER, Soto
Kellermann S, Mcevoy LM,
                                                                                                                                                                                                                                                           Primer for CTACK fragment.
                                                                                                                                                                                                                              (first entry)
                               Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     agonists or antagonists.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (SCHE ) SCHERING CORP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         WPI; 2000-465633/40.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Local Similarity
   Query Match
Best Local Similarity
Matches 18; Conserv
                                                                                                                                                                                                                                                                                                                                                                                 WO200038713-A1
                                                                                                                                                                                                                                                                                                                                                     Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                           23-DEC-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         24-DEC-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        27-MAY-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             18;
                                                                                                                                                                                                                             20-OCT-2000
                                                                                                                                                                                                                                                                                                                                                                                                               06-JUL-2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
                                                                                                                                                                                                AAA47555
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RESULT 410
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ABX11428;

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This sequence represents a primer which was used in quantitative analysis of protein expression in pro-B cells of human origin that are deficient in functional Pax5 expression. The autologous human Pax5-deficient pro-B cells or pax5-deficient pro-B cells derived from a HLA-matched donor are useful in treating immunodeficiencies or AIDS. Pax5-deficient pro-B cells gystem, including immunodeficiencies or AIDS. Pax5-deficient pro-B cells derived from an HLA-matched donor are also useful in non-myeloablative tumour therapy. The expression of the Pax5 can in inactivated by means of antisense RNA, small interfering RNA or a criboxyme. In inactivating the expression of the Pax5 gene is inactivating the expression of the Pax5 gene, an expression casette encoding one or more pax5-inhibiting oligonucleotide molecules in inserted into lentiviral vector. The lentiviral vector is transfected into specialized packaging cells to generate pseudotyped lentiviruses the pro-B cells obtained are infected with the pseudotyped lentivirus and cultured. Other functions of the Pax5-deficient pro-B cells are either
                                                                          se; primer; pro-B cell; human; Pax5; HLA-matched donor; lymphoid system;
immunodeficiency; AIDS; non-myeloablative tumour therapy; antisense RNA;
small interfering RNA; ribozyme; lentiviral vector.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              New Pax5-deficient pro-B cells of human origin, useful for treating tumors or disorders associated with a depletion of the lymphoid system,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           human; se; short interfering RNA; siRNA; angiogenesis; vascular endothelial growth factor; VEGF; VEGF receptor; Flt-1; Flt-1, FJK-1, Knase domain region; diabetic retinopathy; agge-related macular degeneration; inflammatory disease; psoriaeis; rheumatoid arthritis; cancer; breast; retinoblastoma; Wilm's tumour;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human Flt-1 DNA sequence, a target for siRNA inhibition SeqID 408.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0.3%; Score 16.2; DB 1; Length 21; 85.7%; Pred. No. 3.1e+02; ive 0; Mismatches 3; Indel8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 21 BP; 7 A; 3 C; 7 G; 4 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               partially suppressed or completely inactivated.
                                                                                                                                                                                                                                                                                                                                                                                                                                                   (BOEH ) BOEHRINGER INGELHEIM INT GMBH.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Heavey B;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Disclosure; Page 18 ; 28pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            2648 AACTGATGCCTTATCTTGACC 2668
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AACTGATGCCCTATTTTGCCC 1
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                                                                                                                                                                                                                                                                                                                                               08-MAY-2002; 2002EP-00010439
                                                                                                                                                                                                                                                                                                                                                                                                 08-MAY-2002; 2002EP-00010439
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADJ97635 standard; DNA; 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       06-MAY-2004 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Busslinger M, Mikkola I,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        18; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WPI; 2003-879906/82.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sest Local Similarity
                        rEST2 primer #2.
                                                                                                                                                                                                                                      EP1361268-A1.
                                                                                                                                                                                    Homo sapiens.
                                                                                                                                                                                                                                                                                          12-NOV-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        e.g. AIDS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADJ97635;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            RESULT 412
ADJ97635
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  a mammal that is modulated by administering to a mammal an antagonist of TTACK, an agonist of CTACK, an antagonist of Vic. or an agonist of CTACK, an antagonist of Vic. The methods are useful for modulating movement of a cell within or to the skin of a mammal, purifying a populating of cells, producing a ligand: receptor complex, modulating physiology or development of a GPR2 receptor ligand interaction, and for treating a patient suffering from a skin disorder such as psoriasis, skin cancer, carcinoma, inflammation, allergies, contact dermatitis, allergic dermatitis, wound healing and infections (including microbial, viral and parasitic) comprising administering an antagonist against GPR2, vic or CTACK. The invention regulates the development or physiology of relevant cells. The present sequence represents the human cutanoous-T-cell-attracting chemokine CTACK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Modulating movement of cell within or to the akin of mammal useful for treating a skin disorder comprises administering an antagonist/agonist of
                                                                                                                                                                                                       GPR2 expressing cell modulation; carcinoma; inflammation; wound healing; allergy; contact dermatitis; allergic dermatitis; microbial infection; cell movement to skin; parasitic infection; cutaneous-T-cell-attracting hemokine; viral infection; CTACK; ss; reverse transcription; cutaneous-T-cell-attracting chemokine.
                                                                                                                                                                              RT-PCR; primer; human; chemokine; skin disorder; psoriasis; skin cancer;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              The invention relates to the movement of a cell within or to the skin of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Homey B, Morales JM;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            competitive reverse transcription (RT)-PCR antisense primer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Match 0.3%; Score 16.2; DB 1; Length 21; Local Similarity 85.7%; Pred. No. 3.1e+02; les 18; Conservative 0; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Huđak SA, F
Zlotnik A;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 21 BP; 3 A; 9 C; 2 G; 7 T; 0 U; 0 Other;
                                                                                                                            Human CTACK competitive RT-PCR antisense primer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Wang W, Oldham ER, Soto H, Liu Y,
Kellermann S, Mcevoy LM, Bowman EP,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1670 GAGAGCCTAAGGAAATGGGC 1690
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Example 5; Page 21; 39pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           21 GGGATGCTAAGGAAAATGGGC 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Oldham ER, Soto H,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  98US-0113858P.
99US-0136570P.
99US-00471549.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 02-JUL-2001; 2001US-00898751.
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                                                                          (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               treating a skin disorder chemokines CTACK and Vic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (SCHE ) SCHERING CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WPI; 2003-255187/25.
                                                                                                                                                                                                                                                                                                                                                                                                                          US2002160024-A1.
                                                                                                                                                                                                                                                                                                                                                                     Homo sapiens.
                                                                          20-MAY-2003
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27-MAY-1999;
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23-DEC-1999;

31-OCT-2002.

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ADE86772;

RESULT 411 ADE86772/

Query Match Best Loca Matches

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antipsoriatic; antirheumatic; antiarthritic.
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                                                                Homo sapiens.
                                                                                                                                                                       29-JAN-2004
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RESULT 414
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 임
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             This invention relates to novel compositions that comprise short interfering RNA (siRNA) molecules, which can be used to inhibit angiogenesis. Specifically, it refers to siRNAs that target and cause RNA-induced degradation of mRNA from human vascular endothelial growth cator (VEGP), the VEGF receptor (FiL-1) and the FIR-1/KDR (kinase domain region) genes, as well as mutants derived thereof. The present invention describes sense and antisense RNA strends that form an RNA duplex and bind to the target mRNA, such that expression is inhibited and the target bind to the target mRNA, such that expression is inhibited and the target degraded. As such, siRNA administered in combination with a therapeutic degraded. As such, recating diseases associated with angiogenesis and related macular degeneration, inflammatory disease, psoriasis and related macular degeneration, inflammatory disease, psoriasis and related macular degeneration, inflammatory disease, psoriasis and relating breast, retinoblastoma, Wilm's tumour and lymphoma. Accordingly, these compositions exhibit cytostatic, antidiabetic, and ophthalmological, antinflammatory, antipsoriatic, antidiabetic, and ophthalmological, antinflammatory, antipsoriatic, antidiabetic and compositions main and an antiantial and an antiantial and and an antiantiantial and an antiantial and and an antiantial and and an antiantiantial and an antiantiantial and and an antiantial and an antiantiantial and an antiantial and an antiantial and an antiantiantiant
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Novel short interfering RNA (siRNA) comprises sense and antisense RNA strands, useful for inhibiting expression of human vascular endothelial growth factor mRNA, for treating angiogenic disease, e.g. diabetic
             lymphoma; cytostatic; antidiabetic; ophthalmological; antiinflammatory;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                antiarthritic activities. This oligonucleotide is a human Flt-1 DNA oligo, a target for siRNA inhibition of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human Flt-1 DNA sequence, a target for siRNA inhibition SeqID 409.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 21 BP; 6 A; 1 C; 8 G; 6 T; 0 U; 0 Other;
                                            antipsoriatic; antirheumatic; antiarthritic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Disclosure; SEQ ID NO 408; 218pp; English.
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                                                                                                                                                                                                                                                                                                                   24-JUL-2002; 2002US-0398417P.
14-NOV-2002; 2002US-00294228.
                                                                                                                                                                                                                                                                   18-JUL-2003; 2003WO-US022444.
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                                                                                                                                                                                                                                                                                                                                                                                                    (UYPE-) UNIV PENNSYLVANIA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                      Tolentino MJ, Reich SJ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            retinopathy and cancer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WPI; 2004-203472/19.
                                                                                                                                                               WO2004009769-A2
                                                                                                            Homo sapiens.
                                                                                                                                                                                                                    29-JAN-2004
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This invention relates to novel compositions that comprise short confered interfering RNA (siRNA) molecules, which can be used to inhibit and operates and specifically, it refers to siRNAs that target and cause anajogenesis. Specifically, it refers to siRNAs that target and cause RNAi-induced degradation of mRNA from human vascular endothelial growth rector (VRGF), the VEGF receptor (Fit-1) and the Fik-I/KDR (kinase domain cargino) genes, as well as mutants derived thereof. The present invention describes sense and antisense RNA strands that form an RNA duplex and certibes sense and antisense RNA strands that form an RNA duplex and cegraded. As such, siRNA administered in combination with a therapeutic degraded. As such, siRNA administered in combination with a therapeutic capent is useful for treating diseases associated with anglogenesis and the overexpression of VEGF, which include diabetic retinopathy, agence anacular degeneration, inflammatory disease, psoriasis and cancers including breast, retinoblastoms, wilm's tumour and lymphoma. Concers including breast, retinoblastoms, wilm's tumour and lymphoma. Concers including breast, retinoblastoms, wilm's tumour and lymphoma. Concers including the attinilammetory, antipsoriatic, antithemmatic and contactivities cativities. This oligonucleotide is a human Flt-1 DNA coligo, a target for sirNA inhibition of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Human; ss; antisense therapy; cytostatic; antiinflammatory; haemostatic; cerebroprotective; nootropic; neuroprotective; antiparkinsonian; muscular; CD20; neurite growth inhibitor gene; NGGO; hammerhead ribozyme; DNAzyme; inozyme; G-claaver; amberzyme; zinzyme; lymphoma; leukaemia; B-cell lymphoma; non-Hodgkin's lymphoma; MHL; lymphocytic leukaemia; human immunodeficiency virus; HIV associated NHL; mantle-cell lymphoma; MCL; immunocytoma; IMC; immune thrombocytopaenia; stroke; dementia;
                                                                                                                                                                                                                                                                                                                                                                                                                                                   Novel short interfering RNA (siRNA) comprises sense and antisense RNA strands, useful for inhibiting expression of human vascular endothelial growth factor mRNA, for treating angiogenic disease, e.g. diabetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
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85.7%; Pred. No. 3.1e+02;
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18-JUL-2003; 2003WO-US022444.
                                                                             24-JUL-2002; 2002US-0398417P.
14-NOV-2002; 2002US-00294228.
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                                                                                                                                                                                                                                                                                                     Folentino MJ, Reich SJ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          retinopathy and cancer.
                                                                                                                                                                                                                                                                                                                                                                                   WPI; 2004-203472/19.
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3735 TTTAGCCATAGCATCT 3750

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TTTAGCCATAGCATCT

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ADB40345 standard; DNA; 17 BP.

RESULT 415

ADB40345

cytostatic; antiviral; neuroprotective; nootropic; neuroleptic; ss; primer; probe; tumour suppression; tumour reversion; apoptosis; virus resistance; transgenic animals; Alzheimer's disease; schizophrenia;

Tumour suppression/reversion associated nucleotide #668.

(revised)
(first entry)

18-DEC-2003 04-DEC-2003

ADB40345;

gibbs-10-667-022-4.rng

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The invention relates to a nucleic acid molecule which down regulates expression of a CD20 gene and a nucleic acid molecule which down cregulates expression of a neurite growth inhibitor gene (NGOD). The nucleic acids may be enzymatic nucleic acids (e.g. a ribozyme or a nucleic acids may be enzymatic nucleic acids (e.g. a ribozyme or a DNAzyme) an Inozyme (an endolytic nucleic acid cleaving an RNA molecule or consisting RNA with an NCH motif), a Zinzyme (cleaving RNA with an NCH motif), a Calcaver (cleaving RNA with an NGN triplet), a zinzyme (cleaving RNA with an NGN triplet), a secontacted with a cell to reduce CD20 activity of the cord contacted with a cell to reduce CD20 activity of the cord CD20. The treatment may further comprise the use of one or more creat lymphoma, leukaemia, B-call lymphoma, low-grade or follicular non-Hodgkin's lymphoma (NHL), bulky low-grade or follicular NHL, lymphocytic lymphoma (MCL), immunocytoma (IMC), small B-call lymphocytic lymphoma, immunocytoma (IMC), small B-call lymphocytic lymphoma, immunocytoma (IMC), small B-call lymphocytic lymphoma, creatence of a divalent cation that is preferably MG2/4. Furthermore, the nucleic acid may be contacted with a cell to reduce NOGO activity of the craspence of a divalent cation that is preferably MG2/4. Furthermore, the NOGO-the treatment may further comprise the use of one or more cell and treat a patient having a condition associated with the level of NOGO. The treatment may further comprise the use of one or more cell and treat a patient (NGS) injury and cerebrovascular accident (CCVA, stroke), Alzheimer's disease, dementia, multiple sclerosis (RNS), chemotherapy-induced neuropathy, anyworrophic acceptance of a divalent and may further compare and ensymbole and m
inflammatory arthropathy; central nervous system injury; cerebrovascular accident; CVA; Alzheimer's disease; multiple sclerosis; chemotherapy-induced neuropathy; amyotrophic lateral sclerosis; ALS; Parkinson's disease; ataxia; Huntington's disease; Creutzfeldt-Jakob disease; muscular dystrophy; neurodegenerative disease.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Nucleic acid molecules, e.g., enzymatic nucleic acids and antisense constructs, which down regulate expression of a CD20 gene or neurite growth inhibitor gene useful for treating, e.g., lymphoma, leukemia, and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NOGO expression. The present
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 muscular dystrophy, and/or other neurodegenerative disease
lich respond to the modulation of NOGO expression. The prese
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     sequence is a hammerhead ribozyme of the invention
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Chowrira BM;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Claim 88; Page 76; 200pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         central nervous system injury.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      09-FEB-2001; 2001WO-US004273
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RIBO-) RIBOZYME PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Mcswiggen J,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CHOW/) CHOWRIRA B M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   states which respond
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           MCSWIGGEN J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WPI; 2001-607195/69
                                                                                                                                                                                                                                                                                                                                                                                                                                       WO200159103-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 11-FEB-2000;
28-FEB-2000;
                                                                                                                                                                                                                                                                                                    Bapiens
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                                                                                                                                                                                                                                                                                                                                                 Synthetic.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      disease,
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                                                                                                                                                                                                                                                                                                    Homo
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Tuijnder M;

Telerman A, Amson R,

(MOLE-) MOLECULAR ENGINES LAB.

17-SEP-2002; 2002WO-IB004219. 17-SEP-2001; 2001FR-00011981.

WO2003040369-A2 Homo sapiens.

diagnosis

15-MAY-2003

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The invention relates to the isolation of 6327 nucleotide sequences, fragments of at least 15 consecutive nucleotides of these nucleotides, a sequence has 15 consecutive nucleotides of these nucleotides, a sequence that hybridizes under stringent conditions with the nucleotides, or the complement, or corresponding RNA, of the nucleotides, rhe nucleotides are used as probes or primers for detecting, identifying, quantifying and/or amplifying nucleic acids, as in vitro sense and antisense sequences, of nucleotides involved in tumour suppression or reversibion, apoptosis and or viral resistance, to produce recombinant polypeptides, and to prepare transgenic animals, as experimental models. The nucleotides (also vectors containing them and calls containing the vectors), the encoded polypeptides and antibodies (A) against the polypeptide are useful for prevention and/or treatment of viral infections or diseases characterized by development of tumours or cell degeneration (e.g. Alzheimer's disease or schizophrenia).

Analysis of the expression of the nucleotides and polypeptides can and/or prognosis of these diseases. The nucleotides and polypeptides can and/or prognosis of these diseases. The nucleotides and polypeptides can be used to screen for their specific interactive molecules,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     New nucleic acid encoding human prostate membrane-specific antigen, useful e.g. for treatment of tumors and viral infection, also related polypeptide and antibodies.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gapa
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      potentially useful for treating diseases associated with abnormal
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0.3%; Score 16; DB 1; Length 1/;
10.0%; Pred. No. 3e+02;
10.0%; Pred. No. 3e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 17 BP; 4 A; 6 C; 4 G; 3 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Disclosure; Page 110; 771pp; French.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0.35,
100.0%; Pre-
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       expression of the nucleotides.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 16; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WPI; 2003-441574/41.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             *Query Match
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Gaps

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0.3%; Score 16; DB 1; Length 17; 100.0%; Pred. No. 3e+02; tive 0; Mismatches 0; Indels

Best Local Similarity 100. Matches 16; Conservative

Query Match

Analytical solid phase, detection, hybridisation, probe, target, diagnosis, screening, disease, drug sensitivity, transplantation organ; food industry, food poisoning; ss.

Analytical solid phase nucleic acid detection hybridisation probe

(first entry)

09-SEP-1998

AAV37774;

Ä.

AAV37774 standard; DNA; 20 BP.

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The invention relates to the isolation of 6327 nucleotide sequences, cfragments of at least 15 consecutive nucleotides of these nucleotides, a sequence having at least 80% identity, after optimal alignment, with the sequence having at least 80% identity, after optimal alignment, with the nucleotides, a sequence that hybridizes under stringent conditions with the nucleotides. The nucleotides are used as probes or primers for detecting, cfrom antisense sequences, of nucleotides involved in tumour sepse and antisense sequences, of nucleotides involved in tumour csuppression or reversion, apoptosis and or viral resistence, to produce suppression or reversion, apoptosis and or viral resistence, to produce crecombinant polypeptides, and to prepare transgenic animals, as recombinant polypeptides (also vectors containing them and cypreptides (also vectors containing them and cols containing the vectors), the encoded polypeptides and antibodies of viral infections or diseases characterized by development of tumours or viral infections or diseases characterized by development of tumours or also be used to screen for their specific interactive molecules, and/or progness of these diseases. The nucleotides and solypeptides can also be used to screen for their specific interactive molecules, containing the used to these diseases. The nucleotides and polypeptides can be pretailed with abnormal
                                                                                                                                                                                                                                                                                                                                    cytostatic; antiviral; neuroprotective; nootropic; neuroleptic; ss; primer; probe; tumour suppression; tumour reversion; apoptosis; virus resistance; transgenic animals; Alzheimer's disease; schizophrenia;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       New nucleic acid encoding human prostate membrane-specific antigen, useful e.g. for treatment of tumors and viral infection, also related polypeptide and antibodies.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0.3%; Score 16; DB 1; Length 17;
00.0%; Pred. No. 3e+02;
ve 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                           Tumour suppression/reversion associated nucleotide #5480.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 17 BP; 6 A; 3 C; 1 G; 7 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Disclosure, Page 672; 771pp; French.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Tuljnder M;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           100.0%; P
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (MOLE-) MOLECULAR ENGINES LAB
                                  ADB45157 standard; DNA; 17 BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         17-SEP-2001; 2001FR-00011981.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        17-SEP-2002; 2002WO-IB004219.
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Best Local Similarity 100.
Matches 16; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       relerman A, Amson R,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WPI; 2003-441574/41.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WO2003040369-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Homo sapiens.
                                                                                                                                                                                                18-DEC-2003
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              diagnosis.
                                                                                                                   ADB45157
ADB45157,
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Analytical solid phase for detecting nucleic acids - contains a base sequence which hybridises with polynuclectide sequence of the target, and a set of probes immobilised on the solid phase via a linker.

(MOLE-) LAB MOLECULAR BIOPHOTONICS.

WPI; 1998-271664/24. Sato Y;

Abe S,

96JP-00243720. 97WO-JP003232.

13-SEP-1996; 12-SEP-1997;

WO9811210-A1 19-MAR-1998.

Synthetic.

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                                                                                                                                                                                                                                                                                                                                                                                                                                         The present sequence represents a probe used in an example from the present invention. The present invention describes an analytical solid phase method for detecting nucleic acids. The method comprises obtaining a base sequence which hybridises with the polynucleotide sequence of the target, and a set of probes immobilised on the solid phase via a linker which is enzymatically ligated during hybridisation. The product is used for the detection of specific nucleic acids. Possible fields of sepplication include diagenosis of disease, detection of drug sensitivity, screening for appropriate transplantation organs, testing in the food industry to prevent food poisoning. A simple, quick method for selectively detecting target in a mixed sample is obtained
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                5'-phosphorylated and 3'-biotinylated probe (Seq ID No: 5 of WO9935287).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Two-probe system; nucleic acid detection; hybridisation; immobilisation; phosphorylation; diagnosis; infectious disease; drug receptor; toxin;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   . Match 0.3%; Score 16; DB 1; Length 20; Local Similarity 100.0%; Pred. No. 3.1e+02; Indels 16; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 20 BP; 2 A; 7 C; 7 G; 4 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                        Example 1; Page 13; 37pp; Japanese.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAX89313 standard; DNA; 20 BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 GGATCCCCCGGGCTGC 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          organ transplant; probe; ss.
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Gaps

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4929 TTGTATTGAAAAAGAT 4944

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RESULT 417 AAV37774 gibbs-10-667-022-4.rng

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Synthetic.
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                                                                          Hodge TA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     the important describes a consistent of two probes are which hybridise to adjacent sections of the target polynucleotides are which hybridise to adjacent sections of the target polynucleotide. These are immobilised by their 5' and 3' ends respectively to a solid phase and the free end of one is phosphorylated. One probe is labeled and is connected to the solid phase via a breakable section. The test sample is introduced and after hybridisation to the target polynucleotide sequence (if present) a ligase is added to join the non-immobilised ends of the probes. The target polynucleotide chain is removed, and the breakable section split. If the target sequence was present, the labeled probe remains immobilised to the solid phase because of ligation to the other probe, but if the target sequence was not present it is released. Detection of the label on the solid phase shows that the target sequence was present in the rest sample. The method is used for the detection of specific nucleotide sequences in applications such as the diagnosis of infectious and other diseases, the detection of drug receptors, in foodstuffs. The method is of high sensitivity and high specificity, and is able to discriminate the target sequence from sequences containing a single base mismatch. Sequences AAX83309-327 represent probes and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Method for screening genomic DNA; target sequence; transgenic screening; organism identification; targeted mutagenesis screening method;
                                                                                                                                                                                                                                  The invention describes a two-probe system for specific detection of a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                       Two-probe system for specific detection of target polynucleotide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   DB 1; Length 20; 3.1e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      target sequences used in the method of the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 20 BP; 2 A; 7 C; 7 G; 4 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Streptomyces hygroscopicus hygromyycin probe.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0.3%; Score 16; DB 100.0%; Pred. No. 3.1 ative 0; Mismatches
                                                                                                (MOLE-) LAB MOLECULAR BIOPHOTONICS.
                                                                                                                                                                                                           Example; Page 70; 75pp; Japanese.
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                                               99WO-JP000041
                                                                       98JP-00002482
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Best Local Similarity 100.
Matches 16; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                hygromycin; probe; ss.
                                                                                                                                               WPI; 1999-430406/36
                                                                                                                        Kodama H;
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WO9935287-A1
                                               08-JAN-1999;
                                                                       08-JAN-1998;
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                        15-JUL-1999
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RESULT 419
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The present invention relates to a method and apparatus for transgenic and targeted mutagenesis screening of genomic DNA. The method comprises depositing genomic DNA on a substrate, adding at least one labelled probe specific for a portion of the genomic DNA, and detecting the signal from the probe. The invention also provides a system for screening DNA for a designated genetic sequence, the system includes a computer having a processor, memory web browser and an automatic screening device that analyses samples of genomic DNA for the designated sequence. The method is useful for detecting a designated genetic sequence. The method is useful for detecting a designated genetic sequence in a sample of genomic DNA. The method is useful for tapid identification of an organism, whose genome possesses specific genetic sequences that exist endogenously or has been modified, mutated or genetically engineered. The method is more accurate, faster and is a high volume transgenic and targeted mutagenesis screening method. The screening results are provided to a researcher more quickly than by the prior art methods. The present sequence for Streptomyces hygroscopicus hygromycin probe is used in the
                                                                                                                                                                                                                                                                                                                              Detecting designated genetic sequence in genomic DNA sample, comprises depositing genomic DNA on substrate, adding labeled probe specific for portion of DNA and detecting signal from labeled probe.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 20 BP; 5 A; 4 C; 5 G; 6 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 16; DB 1; Le
Pred. No. 3.1e+02;
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ID ADI35091 standard; DNA; 20 BP.
06-SEP-2000; 2000US-0230371P. 04-SEP-2001; 2001US-00230371.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     2 AGGATTTGGGCAACAT 17
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                                                                                                                                                                                                                                                    WPI; 2002-371884/40.
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                                                                                                            (HODG/) HODGE
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The invention relates to diagnosing a predisposition to fat deposition or leanness in a subject comprising detecting the presence or absence of a polymorphic variation associated with fat deposition at a polymorphic site in a PLAZGIB nucleotide sequence in a nucleic acid sample from a subject, where the presence of the polymorphic variation is a guanne at position 7128 or thymine at position 9182 of the present sequence. The method is useful for diagnoshig a predisposition to fat deposition or learness in a subject, and consequently for diagnoshig a predisposition to non-insulin dependent diabetes mellitus (NIDDM) in a subject and conditions such as hypertension, glucose intolerance, dyslipidemia, hypertension, glucose intolerance, dyslipidemia, hypertension, glucose intolerance, dyslipidemia, hypertension of preventive measures. Sequences ADI35084-ADI35103 represent PCR primers used in assays for verifying and genotyping single nucleotide polymorphism (SNP)s in a human PLAZGIB nucleotide sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  human; PCR; ss; fat reduction; fat deposition; phospholipase A2; PLA2GlB; appetite suppressant; lipase inhibitor; exercise regimen; obesity; non-insulin dependent diabetes mellitus; NIDDM; cardiovascular disorder; hypertension; antidiabetic; primer.
                                                                                                            Diagnosing a predisposition to fat deposition or leanness, useful for diagnosing a predisposition to e.g. diabetes or hypertension, comprises detecting the presence of a polymorphism in the PLA2GIB nucleic acid from
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Identifying a candidate therapeutic for fat reduction, useful for treating diabetes, by introducing a test molecule to a system comprising
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PCR primer 8 to genotype SNPs of human phopholipase A2 (PLA2G1B) DNA.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0.3%; Score 16; DB 1; Length 20; 00.0%; Pred. No. 3.1e+02;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 20 BP; 7 A; 4 C; 6 G; 3 T; 0 U; 0 Other;
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                                                                                                                                                                                                                                                                                           Example 2; Page 45; 91pp; English.
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Best Local Similarity 100.
Matches 16, Conservative
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Langdown ML;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SEQU-) SEQUENOM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WPI; 2004-071944/07.
                                                        WPI; 2004-082843/08.
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                                                                                                                                                                                                                                   the subject.
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Adam GIR,
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This invention relates to a novel candidate therapeutic agent useful for far teduction and disorders related to fat depositions. Specifically, it refers to polymorphic variations in the phospholipase A2 (PLAZGIB) DNA, which is located on chromosome 1224 and has been associated with central cf at deposition. The present invention describes methods to detect the presence or absence of these single nucleotide polymorphisms of PLAZGIB, comparessant, an articular G7328A and T918A2G, and subsequently provide treatment that reduces fat deposition. This treatment may consist of an appetite reduces fat deposition. This treatment may consist of an appetite comparessant, a lipase inhibitor, a phospholipase inhibitor, an exercise compared to a paychotherapy or a reducent and actual paychological counselling, psychotherapy or a cyclotherapeutic. Accordingly, PLAGGIB is a target for reducing fat deposition and it can be used to treat both obesity and non-insulin deposition and it can be used to treat both obesity and non-insulin condeposition and it can be used to exhibite antidiabetic activity. This colliponucleotide sequence is a PCR primer used to amplify a region of interest (i.e. genotype SNPS) in human PLAZGIB DNA of the invention. Human, matrix metalloproteinase 11, MMP11; ss; antisense oligonucleotide; phosphorothioate linkage; 2'-0-methoxyethyl sugar moiety; 5-methylcytosine; hyperproliferative disorder; cancer; cytostatic. New oligonucleotide compound that inhibits expression of matrix metalloproteinase 11, useful for preparing a composition for treating hyperproliferative disorder, e.g., cancer. Gaps Human matrix metalloproteinase 11 DNA antisense oligonucleotide #27. PLA2G1B protein or nucleic acid, and determining the presence of interaction between the compounds. .. 0.3%; Score 16; DB 1; Length 20; 100.0%; Pred. No. 3.1e+02; ative 0; Mismatches 0; Indels Sequence 20 BP; 7 A; 4 C; 6 G; 3 T; 0 U; 0 Other; English. 3760 GCTGTCCAGCTTCTTG 3775 踞. 10-DEC-2002; 2002US-00316755. 10-DEC-2002; 2002US-00316755 ADP27118 standard; DNA; 20 Example 2; Page 70; 116pp; 26-AUG-2004 (first entry) gererecaderrerre 16; Conservative (ISIS-) ISIS PHARM INC. Cowsert LM; WPI; 2004-440341/41. Local Similarity US2004110152-A1. Homo sapiens. 10-JUN-2004. Baker BF, ADP27118; 16 Query Match Matches RESULT ઠે 셤

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Gaps ö The invention relates to a compound targeted to a nucleic acid molecule encoding a matrix metalloproteinase 11 (MMP11) polypeptide. The compound is an antisense oligonucleotide that specifically hybridises with the nucleic acid and inhibits expression of the polypeptide. The antisense

Example 15; SEQ ID NO 44; 76pp; English.

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        /mod_base= OTHER
/mod="MOTHER= phosphorothioate nucleotide. All cytosines
/note= "MOTHER= phosphorothioate nucleotide. All cytosines
z== 5-methylcytidines. Residues 1 to 5 and 15 to 20 are
2'-methoxyethyl nucleotides."
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     The present invention relates to antisense compounds, compositions and methods for modulating the expression of kinesin-like 1. The superfamily of kinesins function as molecular engines to bind and transport vesicles
oligonucleotide comprises at least one modified internucleoside linkage 1.e. a phosphorothioate linkage, at least one modified sugar moiety, preferably a 2'-0-methoxyethyl sugar moiety, or at least one modified nucleobase comprising a 5-methylycytosine. The antiseense compounds are useful for modulating the expression of the MMP11 polypeptide and in preparation of a composition for treating hyperpoilferative disorders, e.g. cancer. This sequence represents an antisense oligonucleotide targeted to DNA encoding the human MMP11 polypeptide of the invention.
                                                                                                                                                                                                                                                                                                                                                               Antisense; kinesin-like 1; N2 kinesin; bimC kinesin; cellular proliferation; cancer; B-cell leukaemia; autoimmune disease; carpal tunnel syndrome; Raynaud's phenomenon; systemic sclerosis; Sjorgren's syndrome; rheumatoid arthritis; polymyositis; polyarteritis; systemic lupus erythematosus; mouse; se; human.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  New antisense compound 8 to 80 nucleobases in length targeted to a nucleic acid molecule encoding kinesin-like 1, useful for treating an animal having a disease or condition such as cancer, tumor, autoimmune
                                                                                                                                                            Gapa
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                                                                                                                                                                                                                                                                                                                                         Antisense oligo targeted to mouse kinesin-like 1, ISIS 285762.
                                                                                                                                 DB 1; Length 20
                                                                                                                                                         0; Indels
                                                                                                           Sequence 20 BP; 3 A; 8 C; 6 G; 3 T; 0 U; 0 Other;
                                                                                                                                 0.3%; Score 16; DB 1; Le
100.0%; Pred. No. 3.1e+02;
iive 0; Mismatches 0;
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                                                                                                                                                                                                                                                                     BP.
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                                                                                                                                                          16; Conservative
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Best Local Similarity
Matches 16; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                      Mus musculus.
Homo sapiens.
Synthetic.
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and organelles along microtubules using energy supplied by ATP. Kinesin-
like 1, a member of the N2 (also called bimC) family of kinesins, is
involved in separating the chromosomes by directing their movement along
microtubules in the bipolar spindle. Kinesin-like 1 is also known as
KNSL1, Eg5, HaEg5, HKSP, KIFI1, thyroid interacting protein 5 and TRIP5.
CC Inhibition of kinesin-like 1 may be a target for arresting callular
CD proliferation in cancer, due to its central role in mitosis. Expression
of kinesin-like 1 expression may contribute to other disease states such
CC arthritis, polymyositis and polyarteritis. Kinesin-like 1 is an
CC arthritis, polymyositis and polyarteritis. Kinesin-like 1 is an
CC arthritis, polymyositis and polyarteritis. Kinesin-like 1 is an
CC autcantigen identified in systemic lupus erythematosus. The invention
CC autcantigen identified in systemic lupus erythematosus. The invention
CC autcantigen identified in systemic lupus erythematosus. The invention
CC composition of kinesin-like 1. Also provided are methods of screening for
CC modulators of kinesin-like 1 and to methods of modulating the expression
CC finesin-like 1. At least a portion of the compound hybridises with RNA
CC form an oligonucleotide-RNA duplex. It has at least one
CC comprise an antisense nucleic acid molecule that is specifically
CC hybridisable with a 5-untranslated region (UTR), with a start region,
CM that a coding region, with a 3-UTR, with an intron-
CC comprise an uncleic acid molecule encoding kinesin-like 1.
CC changes where synthesised via solid phase PUIII) phosphorable of chamistry.
CC chamistry, man arrivered to moule of an uncleic acid molecule encoding kinesin-like 1.
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treatment; therapy; ischaemic reperfusion injury;
bronchopulmonary dysplasia; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Facilitating vascular growth for treating ischemic reperfusion injury in lungs and bronchopulmonary dysplasia of new born babies comprises inhibiting endothelial monocyte activating polypeptide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ô
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   0.3%; Score 16; DB 1; Length 20; 00.0%; Pred. No. 3.1e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 20 BP; 5 A; 8 C; 3 G; 4 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           100.0%; Pred. ...
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (CHIL-) CHILDRENS HOSPITAL LOS ANGELES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Primer for amplifying murine SP-C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              3488 CACCACCACCTGGATG 3503
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAZ93879 standard; DNA; 21 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         5 CACCACCACCTGGATG 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                99WO-US026743.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       98US-0108435P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gepp
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     29-AUG-2000 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  16, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Zhang F,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WPI; 2000-399730/34.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WO200029620-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     kinesin-like
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                12-NOV-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   13-NOV-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    25-MAY-2000.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Schwarz M,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAZ93879;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
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Length 21; Indels

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in the specification. In particular, the method can be used in the diagnosis of atherosclescosis, myocardial infarction, coronary heart disease, stroke, peripheral vascular diseases, venous thromboembolism and pulmonary embolism. Single nucleotide polymorphisms (SNPs) are also useful in forensics, paternity testing, genetic analysis and phenotype correlations to disease. The present sequence is an example of one of the human gene SNPS shown in the specification
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         is from exon 5 and contains a mutation which causes a nonsense codon at position 151 (AAV22622 is the normal wild type sequence). Adhalin belongs to the sarcolemmal complex of dystrophin-associated proteins. Mutations in the adhalin protein are one of the causes of muscular dystrophy. A new method for the detection of a mutation in the human adhalin gene, comprises incubating a sample with a nucleic acid probe (e.g. present sequence). The probe specifically hybridises to the mutant form of the gene but not the wild type. Any specific hybridisation is then detected. The method is useful for detecting mutations in the human adhalin gene
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Genetic detection of primary adhalinopathies - using nucleic acid probes which bind to mutant adhalin genes but not the wild type gene.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             The present sequence represents a fragment of the human adhalin gene. It
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Adhalin gene fragment showing a muscular dystrophy causing mutation.
                                                                                                                                    Revised record issued on 18-NOV-2004 : The variantion feature
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human; adhalin gene; dystrophin-associated protein; muscular detection; mutation; primary adhalinopathy; Duchenne-like autosomal recessive muscular dystrophy; probe;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Jeanpierre M, Roberds SL,
                                                                                                                                                                                    Sequence 21 BP; 0 A; 8 C; 4 G; 9 T; 0 U; 0 Other;
                                                                                                                                                                                                                  Score 16; DB 1; Lk
Pred. No. 3.2e+02;
0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          /*tag= a
/note= "wild type C changed to
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Location/Qualifiers
                                                                                                                                                                                                                       100.0%; F1
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                                                                                                                                                     incorrectly given a captial V
                                                                                                                                                                                                                                                                                      181 AGAGGAAGACGAGGCC 196
                                                                                                                                                                                                                                                                                                                                                                                                       AAV22621 standard; DNA; 19 BP
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                       08-JUL-1998 (first entry)
                                                                                                                                                                                                                Ouery Match
Best Local Similarity 100.0
Matches 16, Conservative
                                                                                                                                                                                                                                                                                                                   20 AGAGGAAGACGAGGCC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Kaplan J,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WPI; 1998-229819/20.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          03-JAN-1996;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           03-JAN-1996;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US5733732-A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Piccolo F,
                                                                                                                                                                                                                                                                                                                                                                                                                                      AAV22621;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sunada Y;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         mutation
                                                                                                                                                                                                                                                                                                                                                                        RESULT 426
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                             A new method for facilitating vascular growth is described which comprises inhibiting endothelial monocyte activating polypeptide (EMAP) II by down-regulating EMAP II expression, or by using EMAP II receptor antagonists or compounds that specifically bind to EMAP II e.g. antibodies. The method is useful treating patients at risk for ischaemic reperfusion injury to the lungs and newborn babies affected with bronchopulmonary dysplasia (claimed)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         The present invention provides a method of diagnosing a vascular disease in an individual, involving determining the sequence at various polyworphic sites within the human thrombospondin 1 and thrombospondin 4 genes. The sequences at a number of polymorphic sites are also provided
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Human; variant thrombospondin 1; variant thrombospondin 4; SNP; polymorphism; vascular disease; coronary artery disease; forensics; myocardial infarction; atherosclerosis; stroke; venous thromboembolism; pulmonary embolism; paternity test; ds.
                                                                                                                                                                                                                                     Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Mccarthy JJ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Nucleic acids comprising single nucleotide polymorphisms, useful in applications such as forensics, paternity testing, medicine, genetic analysis and phenotype correlations to diseases such as diabetes and atherosclerosis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           /*tag= a
/standard_name= "Single nucleotide polymorphism"
                                                                                                                                                                                                                                     ö
                                                                                                                                                                                                 0.3%; Score 16; DB 1; Length 21; 00.0%; Pred. No. 3.2e+02;
                                                                                                                                                                                                                                   Indels
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                                                                                                                                                                 Sequence 21 BP; 4 A; 5 C; 5 G; 7 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human gene single nucleotide polymorphism #262.
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                                                                                                                                                                                                           100.0%; Pred. ....
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Example; Page 67; 242pp; English.
                                                                                                                                                                                                                                                                   2988 GAGCCATCTTCATGAT 3003
 Example 1; p15; 41pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        10-SEP-1999; 99US-0153357P.
26-JUL-2000; 2000US-0220947P.
16-AUG-2000; 2000US-0225724P.
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                                                                                                                                                                                                                                                                                                                                                                                    AAF95501 standard; DNA; 21
                                                                                                                                                                                                                                                                                      GAGCCATCTTCATGAT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (first entry)
                                                                                                                                                                                                                  Local Similarity 100.
16s 16; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          /*tag=
                                                                                                                                                                                                                                                                                                                                                                                                                                                      (revised)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WPI; 2001-226749/23.
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Unidentified
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06-JUN-2001
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Key
variation
                                                                                                                                                                                                                                                                                                                                                                                                                     AAF95501;
                                                                                                                                                                                                  Query Match
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Matches
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muscular dystrophy;

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Campbell KP;

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N.B. The SEQ ID NOS 2852, 2913, 2974, 3035, 3096, 3157, 3227, 3297 and and all an an all and all a
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which lead to primary adhalinopathy, a Duchenne-like autosomal recessive
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Novel biallelic markers used to construct a high density disequilibrium
                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human biallelic marker upstream amplification primer SEQ ID NO:4157
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human genome; biallelic marker; high density disequilibrium map; genomic map; haplotype; phenotype; polymorphic base; genotyping; haplotyping; hybridisation; identification; characterisation; amplification; single nucleotide polymorphism; SNP; PCR primer;
                                                                                                                                                                                         ö
                                                                                                                               0.3%; Score 15.8; DB 1; Length 19;
89.5%; Pred. No. 3.2e+02;
iive 0; Mismatches 2; Indels
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89.5%; Pred. No. 3.2e+02;
ive 0; Mismatches 2; Indels
                                                                                                                                                                                   2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 19 BP; 7 A; 6 C; 4 G; 2 T; 0 U; 0 Other;
                                                                             Sequence 19 BP; 3 A; 8 C; 4 G; 4 T; 0 U; 0 Other
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Claim 8; Page 1117; 2745pp; English.
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                                                                                                                                                                                                                                        4171 GCAGCTGTTCAGGGCAACA 4189
                                                                                                                                                                                                                                                                                          19 ścasererrcasescasca 1
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98US-0109732P.
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                                                                                                                                                        Local Similarity 89.5
nes 17; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             map of the human genome
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WPI; 2000-013267/01.
                           muscular dystrophy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    present invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (GEST ) GENSET
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          diagnosis; ss
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23-NOV-1998;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAZ69801;
                                                                                                                               Query Match
                                                                                                                                                                                                                                                                                                                                                                       RESULT 427
                                                                                                                                                                                   Matches
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Gaps

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Conservative

Best Local Similarity Matches 17; Conserv

Query Match

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The invention relates to short interfering nucleic acids (siNA) which downregulate expression of HIV gene by RNA interference. The siNAs may or may not comprise riboncleotides and may be double or single stranded.

They further comprise sense and antisense regions, or alternatively are assembled from a sense oligonucleotide and an antisense oligonucleotide.

Specifically, the siNAs include short interfering RNA (siRNA), double-stranded RNA, micro-RNA (miRNA) and short hairpin RNA (shRNA). The siNAs can be unmodified or chemically modified, can contain deoxyribonucleotides, and can be chemically synthesised, expressed from a coxtrain vitro or in vivo delivery of siNA; conjugates and/or complaxes of siNA; and vectors that express siNA. The siNAs are used to modulate expression of the HIV gene in cells, tissue explants or organisms (e.g., by ex vivo gene therapy), or in grafts and transplants for the treatment of a variety of conditions. HIV siNAs and we the treatment of a variety of conditions. HIV and may be used to treat HIV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             New double-stranded short interfering nucleic acid, useful for treating infection with human immune deficiency virus, comprises sugar-modified
                                                                                                                                                                                                                                               RNA interference; short interfering nucleic acid; siNA; shRNA; short interfering RNA; siRNA; double-stranded RNA; micro-RNA; miknA; short interfering RNA; shRNA; expression modulation; gene therapy; drug screening; diagnossis; therapeutic target identification; pharmacogenomics; gene function analysis; gene mapping; HIV; anti-HIV; HIV replication inhibition; HIV infection; ss; target sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Example 3; SEQ ID NO 100; 170pp; English.
                                                                                                                                                                                                                  HIV SINA oligonuclectide SEQ ID NO:100.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Macejak D;
3884 CTGGAGCACAGTCTGTTCT 3902
                             19 credascreacrerer: 1
                                                                                                                                                                                                                                                                                                                                                                                        Human immunodeficiency virus 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SIRNA THERAPEUTICS INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       2002US-0358580P.
2002US-0363124P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              2003US-0440129P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        20-FEB-2003; 2003WO-US005190
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Mcswiggen J, Beigelman L,
                                                                                                                ADG35257 standard; RNA; 19
                                                                                                                                                                               26-FEB-2004 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WPI; 2003-679850/64.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                pyrimidine bases.
                                                                                                                                                                                                                                                                                                                                                                                                                       WO2003070193-A2
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29-AUG-2002;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          29-MAY-2002;
06-JUN-2002;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            23-JUL-2002;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             05-SEP-2002;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             11-MAR-2002;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           22-APR-2002;
                                                                                                                                                                                                                                                                                                                                                                                                                                                         28-AUG-2003
                                                                                                                                                                                                                                                                                                                                                                      Synthetic.
                                                                                                                                                 ADG35257;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (MCSM/)
                                                                                              ADG35257
                                                                                  RESULT
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The invention relates to short interfering nucleic acids (siNA) which downregulate expression of HIV gene by RNA interference. The siNAs may or may not comprise ribonucleotides and may be double or single stranded. They further comprise sense and antisense regions, or alternatively are
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           New double-stranded short interfering nucleic acid, useful for treating infection with human immune deficiency virus, comprises sugar-modified pyrimidine bases.
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                                                                                                                                                                                                                                                                                                                                                                                                             RNA interference; short interfering nucleic acid; siNA; short interfering RNA; siRNA; double-stranded RNA; micro-RNA; miRNA; short hairpin RNA; shRNA; expression modulation; gene therapy; darug screening; disarpeutic target identification; pharmacogenomics; gene function analysis; gene mapping; HIV; anti-HIV; HIV replication inhibition; HIV infection; ss.
infection. The siNAs are also useful for drug screening, diagnosis, therapeutic target identification and validation, genetic engineering, pharmacogenomics, studying gene function, and gene mapping (e.g., of single nucleotide polymorphisms). The present sequence represents the upper strand of HIV-targeted double-stranded siNA, which is identical
                                                                                                                                                               Gaps
                                                                                                                                                                 ö
                                                                                                                                   Score 15.8; DB 1; Length 19;
Pred. No. 3.2e+02;
                                                                                                                                                                 Indels
                                                                                                         Sequence 19 BP; 6 A; 6 C; 4 G; 0 T; 3 U; 0 Other;
                                                                                                                             0.3%; Sco. 73.7%; Pred. No. ...
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Example 3; SEQ ID NO 838; 170pp; English.
                                                                                                                                                                                                                                                                                                                                                                                         HIV sinh oligonucleotide SEQ ID NO:838.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Beigelman L, Macejak
                                                                                  the HIV transcript target sequence.
                                                                                                                                                                                               4405 GCAGGAAGTACTAGTTCCC 4423
                                                                                                                                                                                                                 Human immunodeficiency virus 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (SIRN-) SIRNA THERAPEUTICS INC (MCSW/) MCSWIGGEN J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     2002US-0363124P.
2002US-0374722P.
2002US-00157580.
2002US-0386782P.
                                                                                                                                                                                                                                                                                           ADG35995/c
ID ADG35995 standard; RNA; 19 BP.
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2002US-00225023.
2002US-0406784P.
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2002US-0409293P.
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                                                                                                                                                                                                                                                                                                                                                                 (first entry)
                                                                                                                                         Query Match 0.3
Best Local Similarity 73.7
Matches 14; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WPI; 2003-679850/64.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WO2003070193-A2
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29-MAY-2002;
06-JUN-2002;
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05-SEP-2002;
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11-MAR-2002;
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                                                                                                                                                                                                                                                                                                                                     ADG35995;
                                                                                                                                                                       Matches
                                                                                                                                                                                                                                                                             RESULT 429
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assembled from a sense oligonucleotide and an antisense oligonucleotide.

Specifically, the siNAs include short interfering RNA (siRNA), double-
c stranded RNA, micro-RNA (miRNA) and short hairpin RNA (shRNA). The siNAs

can be unmodified or chemically modified, can contain

cc deoxyribonucleotides, and can be chemically synthesised, expressed from a

cc vector or enzymatically synthesised. The invention also relates to kits

cvetor or enzymatically synthesised. The invention also relates to kits

cc for the in vitro or in vivo delivery of siNA, conjugates and/or complexes

cc fsiNA; and vectors that express siNA. The siNAs are used to modulate

cc expression of the HIV gene in cells, tissue explants or organisms (e.g.,

cc avicety of conditions. HIV siNAs have anti-HIV activity. They may be

cc antiety of conditions. HIV siNAs have anti-HIV activity. They may be

cc infection. The siNAs are also useful for drug screening, diagnosis,

therapeutic target identification and validation, genetic engineering,

cc pharmacogenomics, studying gene function, and gene mapping (e.g., of

single nucleotide polymorphisms). The present sequence represents the

cc lower strand of an HIV-targeted double-stranded sinA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           RNA interference; short interfering nucleic acid; siNA; short interfering RNA; siRNA, double-stranded RNA; micro-RNA, miRNA; short hairpin RNA; shRNA; expression modulation; gene therapy; drug screening; diagnosis; therapeutic target identification; pharmacogenomics; gene function analysis; gene mapping; cancer; cytoetatic; human; oncogene; epidermal growth factor receptor; EGFR; HER2; EGFR2; neu; erbB2; c-erb-B-2; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
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                                                                                                                                                                                                                                                                                                                                                                                      Score 15.8; DB 1; Length 19; Pred. No. 3.2e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                            2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human HER2 (EGFR2) siNA lower strand, SEQ ID NO:496.
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                                                                                                                                                                                                                                                                                                                                                 Sequence 19 BP; 3 A; 4 C; 6 G; 0 T; 6 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                              0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                    4405 GCAGGAAGTACTAGTTCCC 4423
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     20-FEB-2002; 2002US-0358580P.

11-MAR-2002; 2002US-0353124P.

29-MAY-2002; 2002US-0363124P.

66-JUN-2002; 2002US-00163552.

66-JUN-2002; 2002US-0386782P.

03-JUN-2002; 2002US-0386782P.

29-AUG-2002; 2002US-0408378P.

05-SEP-2002; 2002US-0408378P.

09-SEP-2002; 2002US-0408378P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             19 GCAGGAACTACTAGTACCC 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADL79331 standard; RNA; 19 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               2002US-00251117
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                                                                                                                                                                                                                                                                                                                                                                                            0.3%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                20-MAY-2004 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity 89.5'
Matches 17; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Mcswiggen J, Pavco P,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WPI; 2003-697612/66.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   28-AUG-2003.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RESULT 430
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downregulate expression of one or more human epidermal growth factor

converged to the sinal standard. HER2 HER3 and HER4) by RNA

interference. The sinas may or may not comprise sense and antisense

crectors, or alternatively are assembled from a sense oligonucleotide and

an antisense oligonucleotide. Specifically, the sinas include short

interfering RNA (skRNA), double-stranded RNA, micro-RNA (miRNA) and short

hairpin RNA (shRNA). The sinas can be unmodified or chemically synthesised,

can contain deoxyribonucleotides, and can be chemically synthesised,

expressed from a vector or enzymatically synthesised. The invention also

relates to kits for the in vitro or in vivo delivery of sina, conjugates

and/or complaxes of sinA; and vectore that express sinA. The sinas are

used to modulate expression of EGFR genes in cells, tissue explants or

organisms (e.g., by ex vivo gene therapy), or in grafts and transplants

corganisms (e.g., by ex vivo gene therapy), or in grafts and transplants

corganisms (e.g., by ex vivo gene therapy), or in grafts and transplants

treating a wide range of cancers such as breast and ovarian cancer. The

sinas are also useful for drug screening, diagnosis, therapeutic target

identification and validation, genetic engineering, pharmacogenomics,

cludying gene function, and gene mapping (e.g., of single nucleotide

polymorphisms). The present sequence represents the lower strand of a

HER2 (EGFR2)-targeted double-stranded sinA.
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                    New short interfering nucleic acid, useful e.g. for treatment and diagnosis of cancer, downregulates expression of the epidermal growth
                                                                                                                                                                  The invention relates to short interfering nucleic acids (siNA) which
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RNA interference; short interfering nucleic acid; siNh; short interfering RNA; siRNA; double-stranded RNA; micro-RNA, miRNA, short hairpin RNA; shRNA; expression modulation; gene therapy; drug screening; diagnosis; therapeutic target identification; pharmacogenomics; gene function analysis; gene mapping; cancer; cytostatic; human; oncogene; epidermal growth factor receptor; BGFR; HER2; EGFR2; neu; exbB2; c-erb-B-2; target sequence; 88.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0.3%; Score 15.8; DB 1; Length 19;
4.2%; Pred. No. 3.2e+02;
ve 1; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 19 BP; 16 A; 2 C; 0 G; 0 T; 1 U; 0 Other;
                                                                                                                    Example 3; SEQ ID NO 496; 171pp; English.
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2002US-0363124P.
2002WO-US016840.
2002US-00163552.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADL79082 standard; RNA, 19 BP.
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03-JUL-2002; 2002US-0393924P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            84.2%;
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Best Local Similarity 84.2
Matches 16, Conservative
                                                                      factor receptor gene.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WO2003070912-A2.
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11-MAR-2002;
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06-JUN-2002;
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XX
AC ADL79
XX
XX
DT 20-NU
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DX 80-NU
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KW 80-NU
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The invention relates to short interfering nucleic acids (siNA) which downregulate expression of one or more human epidermal growth factor ceceptor (EGFR) genes (including HER1, HER2 and HER3 and HER4) by RNA interference. The siNAs may or may not comprise ribonuclectides and may be double or single stranded. They further comprise sense and antisense cregions, or alternatively are assembled from a sense oligonuclectide and an antisense oligonuclectide. Specifically, the siNAs include short interfering RNA (shRNA), double-stranded RNA, micro-RNA (miRNA) and short interfering RNA (shRNA), the siNAs can be unmodified or chemically modified, can contain deoxyribonuclectides, and can be chemically synthesised, expressed from a vector or enzymatically synthesised. The invention also expressed from a vector or enzymatically synthesised. The invention also cand/or complexes of siNA; and vectors that express siNA. The siNAs are cused to modulate expression of EGFR genes in cells, tissue explants or organisms (e.g., by ex vivo gene therapy), or in grafts and transplants or creating a wide range of cancers such as breast and ovarian cancer. The treatment of a variety of conditions. They may be used for treating a wide range of cancers such as breast and ovarian cancer. The sinAs are also useful for drug screening, diagnosis, therapeutic target condition, and gene mapping (e.g., of single nucleotide condition, the upper strand of a chancer and outper strand of a chancer in a double-stranded sinA, which is identical to the upper strand of a chancer in a double-stranded sinA, which is identical to
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         antilipemic; cardiant; vasotropic; antiarteriosclerotic; antidiabetic;
                                                                                                                                                                                                                                                                                              New short interfering nucleic acid, useful e.g. for treatment and diagnosis of cancer, downregulates expression of the epidermal growth factor receptor gene.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gapa
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            cytostátic; anticonvulsant; nootropic; muscula, anti-HIV;
RNA interference; iRNA; antisense technology; lipid metabolism;
cholesterol imbalance; dyslipidaemia hypercholesterolaemia;
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0
                                                                                                                                                                                                           Jamison S;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match 0.3%; Score 15.8; DB 1; Length 19; Best Local Similarity 89.5%; Pred. No. 3.2e+02; Matches 17; Conservative 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human apolipoprotein B (ApoB) oligonucleotide seqid 2004.
                                                                                                                                                                                                              Fosnaugh K,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 19 BP; 1 A; 0 C; 2 G; 0 T; 16 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                              Example 3; SEQ ID NO 247; 171pp; English.
                                                                                                                                                                                                           Beigelman L,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             the HER2 transcript target sequence.
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ADR77519 etandard; DNA; 19 BP.
                        2002US-0408378P
  2002US-0406784P
                                                                   2002US-00251117
                                                                                            2002US-00277494
                                                                                                               15-JAN-2003, 2003US-0440129P
                                                                                                                                                             (RIBO-) RIBOZYME PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             16-DEC-2004 (first entry)
                                                                                                                                                                                                              Pavco P,
                                                                                                                                                                                                                                                       WPI; 2003-697612/66.
                                                                 19-SEP-2002;
21-OCT-2002;
                                                                                                                                                                                                              Mcswiggen J,
                        05-SEP-2002;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADR77519;
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TGACAGATGAAGATGAAGA 1

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The invention describes a kNA interference (ikMa) agent (1) compilabing a gense sequence and an antisense sequence, where the sense sequences have one or more asymmetrical 2 -0 alkyl modifications, the antisense sequence targets a human gene sequence. Also described are: a pharmaceutical preparation comprising (1); reducing (M1) apoB-100 are: a pharmaceutical preparation comprising (1); reducing (M1) apoB-100 care: a pharmaceutical preparation comprising (1); reducing (M1) apoB-100 evels or glucose-6-phosphatase levels in a subject; producing (I); controlled a sequence with activity and introducing one or more asymmetrical modification in the sequence, where controlled in the comprising (1) and instruction for its use; and a device activity; a kit comprising (1) and instruction for its use; and a device controlled for reducing apoB-100 levels or glucose-6-phosphatase levels. (M1) is useful for reducing apoB-100 levels or glucose-6-phosphatase levels. (M2) is useful for reducing apoB-100 levels or glucose-6-phosphatase levels. (M3) cotherwise unwanted expression of apoB-100, elevated or otherwise unwanted controlled in a disorder characterised by elevated or cherwise unwanted expression of apoB-100, elevated or otherwise unwanted cyclosersholestrolledmia, statin-resistant controlledmia, proceeding statin-resistant controlledmia, statin-resistant controlledmia, coronary attery disease (CAD), coronary heart of disease (CMD) and atherosclerosis. (I) is administered to a subject to inhibit hepatic glucose production or for treating the diseases as mentioned above, cancer (e.g. breast, colon or treating the diseases as mentioned above, cancer (e.g. breast, colon or treating the diseases as mentioned above, cancer (e.g. breast, colon or treating the disease (e.g., funtington disease or cancer (e.g., breast, colon or treating the disease (e.g., funtington disease or expression.

C spinocerbellar ataxia) or viral disease (e.g., funtington disease (e.g., funtington disease (e.g., funtington disease (e.g., funtington dise
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Interference RNA agent useful for treating dyslipidemias, coronary artery disease, diabetes, cancer or neurological disease, comprises sense sequence and antisense sequence which has specific modifications.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              invention describes a RNA interference (iRNA) agent (I) comprising
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 19 BP; 3 A; 6 C; 1 G; 9 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Example 5; SEQ ID NO 2004; 378pp; English
                                                                                                                                                                                                                            12-MAR-2003; 2003US-0454265F.
13-MAR-2003; 2003US-0454265F.
13-MAR-2003; 2003US-0454652P.
14-APR-2003; 2003US-0455050P.
17-APR-2003; 2003US-0463772P.
25-APR-2003; 2003US-0465665F.
25-APR-2003; 2003US-0465665P.
09-MAY-2003; 2003US-0469612P.
08-AUG-2003; 2003US-0493986P.
11-AUG-2003; 2003US-0494597P.
26-SEP-2003; 2003US-051031RP.
10-OCT-2003; 2003US-0510318P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            10-OCT-2003; 2003US-0510318P
07-NOV-2003; 2003US-0518453P
                                                                                                                                                             08-MAR-2004; 2004WO-US007070
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Bumcrot D;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (ALNY-) ALNYLAM PHARM.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WPI; 2004-677362/66.
                                                                      WO2004080406-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Manoharan M,
                           Homo sapiens.
                                                                                                                   23-SEP-2004
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The invention describes a RNA interference (iRNA) agent (I) comprising a sense sequence and an antisense sequence, where the sense sequences have one or more asymmetrical 2'-O alkyl modifications, the antisense sequence saymetrical bhosphorothioate modifications sequences have one or more asymmetrical phosphorothioate modifications and the antisense sequence targets a human gene sequence. Also described are: a pharmaceutical preparation comprising (I); reducing (I); stabilising (I), involves selecting a sequence with activity and introducing one or more asymmetrical modification in the sequence, where the modification decreases nuclease sensitivity while not decreasing its activity; a kit comprising (I) and instruction for its use; and a device that can be dispense or administer a composition comprising (I). (I) is useful for reducing apoB-100 levels or glucose-6-phosphatase levels. (M1)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Interference RNA agent useful for treating dyslipidemias, coronary artery disease, diabetes, cancer or neurological disease, comprises sense sequence and antisense sequence which has specific modifications.
                                                                                                                                                                                       cytostatic; anticonvulsant; noctropic; musculas; anti-HIV, RNA interference; iRNA; antisense technology; lipid metabolism; cholesterol imbalance; dyslipidaemia hypercholesterolaemia; coronary artery disease; CAD; coronary heart disease; CHD; atherosclerosis; hepatic glucose production; glucose-metabolism-related disorder; diabetes; cancer; breast cancer; spinocene; lung cancer; neurological disease; Huntington disease; spinocerebellar ataxia; viral disease; AIDS; apolipoprotein B; apoB; ss.
                                                                                                                                                                       antilipemic; cardiant; vasotropic; antiarteriosclerotic; antidiabetic;
                                                                                                                                      Human apolipoprotein B (ApoB) oligonucleotide seqid 4960.
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2003US-0454962P.
2003US-0455050P.
2003US-0462894P.
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08-AUG-2003; 2003US-0493986P.
11-AUG-2003; 2003US-0494597P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   26-SEP-2003; 2003US-0506341P.
09-OCT-2003; 2003US-0510246P.
10-OCT-2003; 2003US-0510318P.
                                 BP
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17-APR-2003; 2003US-0463772P.
25-APR-2003; 2003US-0465665P.
25-APR-2003; 2003US-0465802P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           07-NOV-2003; 2003US-0518453P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             08-MAR-2004; 2004WO-US007070
                                 ADR80463 standard; DNA; 19
                                                                                                           (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Manoharan M, Bumcrot D;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (ALNY-) ALNYLAM PHARM.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WPI; 2004-677362/66.
                                                                                                                                                                                                                                                                                                                                                                                                         WO2004080406-A2.
                                                                                                                                                                                                                                                                                                                                                                        Homo sapiens.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             13-MAR-2003;
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                                                                                                         16-DEC-2004
                                                                        ADR80463;
RESULT 433
                 ADR80463/c
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Gaps .; 0

Score 15.8; DB 1; Length 19; Pred. No. 3.2e+02; 0; Mismatches 2; Indels

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Best Local Similarity 89.5 Matches 17; Conservative

Query Match

0.3%;

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is useful for reducing apoB-100 levels or glucose-6-phosphatase levels. The subject is suffering from a disorder characterised by elevated or otherwise unwanted expression of apoB-100, elevated or otherwise unwanted levels of cholesterol, and/or disregulation of lipid metabolism. The disorder is chosen from the HDL/LDL cholesterol imbalance, dyslipidaemias, hypercholesterolasterol imbalance, dyslipidaemias, coronary artery disease (CAD), coronary heart disease (CHD) and atherosclerosis. (I) is administered to a subject to inhibit hepatic glucose production or for treating glucose-metabolism-related disorder e.g. diabetes or type-2 diabetes. (I) is useful for treating the diseases as mentioned above, cancer (e.g. breast, colon or lung cancer), neurological disease (e.g., Huntington disease or virence production or virence or contact of the disease of
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Probe; human, CDK41, cyclin-dependent kinase-4-inhibitor, tumour suppressor; chromosome-9p21; sequence-tagged site; mutation; methylthioadenosine-phosphorylase; interferon-alpha; 54F; 5BS; deletion, leuksemia; melanoma; diagnostic; dysplastic nevus syndrome; glioma; non-small cell lung carcinoma; cancer; gene therapy; antisense; ribozyme; antibody; imaging; 88
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Cyclin dependent kinase inhibitor gene, related vectors and antibodies - useful for diagnosis, assessing predisposition and treatment of cancers.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Probe for CDK4I gene between sequence-tagged sites 54F and 5BS.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0.3%; Score 15.8; DB 1; Length 19; 89.5%; Pred. No. 3.2e+02; rive 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 19 BP; 3 A; 6 C; 1 G; 9 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                            can be used to control ApoB gene expression.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Example 1; Page 89; 129pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 2903 TGACAGAGGAAGAGAAGA 2921
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               BP.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAT15159 standard; DNA; 20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 0.3°
Best Local Similarity 89.5°
Matches 17; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        29-JUN-1996
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               may also be used in cancer gene therapy, or in antitumour antisense oligonuclectide or ribozyme construction. Antibodies against CDK41 may be
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Wild-type multiple tumour suppressor (MTS) gene and mutant sequences - useful in diagnosis, prognosis and therapy of human cancer, e.g. melanoma
syndrome), glioma, non-small cell lung carcinoma or leukaemia. The gene
                                                                                                                                                  Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                           Multiple tumour suppressor; El-alpha; diagnosis; cancer; leukaemia;
astrocytoma; glioblastoma; Hodgkin's lymphoma; melanoma; glioma;
gene therapy; chronic; ss.
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                                                                                                               0.3%; Score 15.8; DB 1; Length 20; 89.5%; Pred. No. 3.3e+02; ative 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 15.8; DB 1; Length 20; Pred. No. 3.3e+02;
                                                                                                                                                                                                                                                                                                                                                                                                      Human MTS1 exon2 PCR amplification/sequencing primer, 42F.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     useful for screening for potential cancer therapeutics
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 20 BP; 8 A; 2 C; 7 G; 3 T; 0 U; 0 Other;
                                                                                Seguence 20 BP; 8 A; 2 C; 7 G; 3 T; 0 U; 0 Other;
                                                  used in diagnosis or in vivo imaging
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                                                                                                                                                                                   GGTTCCAGTTGCCAATTTC 4097
                                                                                                                                                                                                                  20 GCTTCCAGTTTCCAATTTC 2
                                                                                                                                                                                                                                                                                                    AAQ99171 standard; DNA; 20 BP
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94US-00214582.
94US-00215088.
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94US-00251938
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                                                                                                                                                  Conservative
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                                                                                                                                 Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  or leukaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WO9525429-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Homo sapiens.
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                                                                                                                                                                                                                                                                                                                                                                       07-MAY-1996
                                                                                                                                                17;
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18-MAR-1994;
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01-JUN-1994;
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                                                                                                                                                                                                                                                                                                                                     AAQ99171;
                                                                                                               Query Match
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Matches
                                                                                                                                                                                                                                                                     RESULT 435
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Nucleic acids based on multiple tumour suppressor, MTS, sequences - useful as hybridisation probes, primers and recombinant production of MTS in the diagnosis and treatment of cancers related to MTS mutation(s).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           This is the nucleotide sequence of a nucleic acid used in the method of the invention involving the used of the multiple tumour suppressor (MTS) gene, to diagnose and treat cancer. The MTS gene is useful in the diagnosis and prognosis of human cancer, e.g. by standard nucleic hybridisation techniques, of patient samples. The mutated sequences are those that are present in somatic mutations of the gene in cancers. The weetors can be used for gene therapy strategies to replace function of mutated protein in patients. These can also be used to construct protein mimetics, also for therapeutic strategies. In addition the expression constructs can also be used for recombinant production of MTS.

Recombinant MTS can be used for recombinant production of MTS.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 MTS1; multiple tumour suppressor; diagnosis; cancer; germ-line mutation;
familial melanoma locus; MLM; predisposition; ss.
Multiple tumour suppressor; MTS; human; cancer; hybridisation; somatic mutation; gene therapy; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 20;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 20 BP; 8 A; 2 C; 7 G; 3 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0.3%; Score 15.8; DB 1;
89.5%; Pred. No. 3.3e+02;
tive 0; Mismatches 2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Disclosure; Col 69-70; 73pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      4079 GGTTCCAGTTGCCAATTTC 4097
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        20 GCTTCCAGTTTCCAATTTC 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         BP.
                                                                                                                                                                                     94US-00214582.
94US-00215086.
94US-00215087.
94US-00227369.
94US-00251938.
                                                                                                                                                         95US-00480810
                                                                                                                                                                                                                                                                                                      (MYRI-) MYRIAD GENETICS INC.
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(first entry)
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Best Local Similarity 89.5
Matches 17; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Seq ID#8 from US5739027.
                                                                                                                                                                                                                                                                                                                                                                      WPI; 1998-494842/42.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           unidentified
                                                                                                                                                                                                                        18-MAR-1994;
14-APR-1994;
01-JUN-1994;
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15-JUL-1998
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US5739027-A.
                                                                                                                                                         07-JUN-1995;
                                                                                                                                                                                          18-MAR-1994;
                                                                                                                                                                                                           L8-MAR-1994;
                                                                                                                                                                                                                                                                          17-MAR-1995;
                                                                                        US5801236-A.
                                                                                                                           01-SEP-1998
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           therapy, a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAV11244;
                                                       Synthetic.
                                                                                                                                                                                                                                                                                                                                           Kamb A;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             438
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          8XXCCCCCCCCCCXXXXHZHXHXHXHXHXHXHXHXHXHXXHXHXHX
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         The present sequence is primer for the PCR amplification of exon 2 of the human multiple tumour suppressor gene 1 (MTS1), useful in cancer diagnosis. (Updated on 25-MAR-2003 to correct PF field.)
            ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Human mutant multiple tumour suppressor gene sequences - for production of recombinant mutant polypeptide(s).
                                                                                                                                                                                                                                                                                                           Primer; polymerase chain reaction; PCR; amplification; exon 2; human; multiple; tumour; suppressor; MTS1; cancer; diagnosis; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
             Gaps
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                                                                                                                                                                                                                                                                              Human multiple tumour suppressor gene 1 exon 2 primer 42F.
             2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 20 BP; 8 A; 2 C; 7 G; 3 T; 0 U; 0 Other;
               0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Skolnick MH;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Example 8; Col 69-70; 72pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   4079 GGTTCCAGTTGCCAATTTC 4097
                                                4079 GGTTCCAGTTGCCAATTTC 4097
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                                                                            20 GCTTCCAGTTTCCAATTTC 2
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94US-00215086.
94US-00215087.
94US-00227369.
94US-00251938.
                                                                                                                                                                   BP.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                     95US-00474177
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(UTAH ) UNIV UTAH RES FOUND.
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                                                                                                                                                                  AAT69775 standard; DNA; 20
                                                                                                                                                                                                                                  (revised)
(first entry)
                   17; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Nucleotide sequence 3.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WPI; 1997-258217/23.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   18-MAR-1994;
14-APR-1994;
01-JUN-1994;
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18-MAR-1994;
                                                                                                                                                                                                                                    25-MAR-2003
10-SEP-1997
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                                                                                                                                                                                                                                                                                                                                                                                                                                   29-APR-1997
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                                                                                                                                                                                                                                                                                                                                                                     Synthetic.
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                                                                                                                                      436
                    Matches
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Gaps ö

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PCR primers AAV70587-93 were used to screen exons in human multiple tumour suppressor 1 (MTS1) gene for germline mutations. The MTS1 sequence is homologous to the corresponding murine gene. Primers designed from the gene can be used to design primers to detect abnormalities i.e. polymorphisms which may predispose towards malignancies such as melanoma, leukaemia, astrocytoma, lymphoma, glioma, as well as tumours of e.g. the breast, thyroid, pancreas, uncrens and kidneys. (Updated on 20-MAR-2003 to correct PF field.)
                               Mouse multiple tumour suppressor gene segment – useful for primer design.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            The invention relates to the isolation of the gene encoding the human multiple tumour suppressor 1 (MTS1) (AAA95633). The MTS1 protein has a cytostatic activity and is used in protein replacement therapy. This sequence is a PCK primer used in the amplification and detection of mutations in the MTS1 gene. MTS1 is useful in disgnosing human cancers such as (ocular) melanoma, leukemia, astrocytoma, glioblastoma, lymphoma,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Novel protein composition useful in protein replacement therapy for diagnosing and treating cancer comprises a specific weight percent of human multiple tumor suppressor 1 polypeptide.
                                                                                                                                                                                                                                                                                  Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Cytostatic; human; multiple tumour suppressor 1; MTS1; diagnostic; cancer; gene therapy; protein replacement therapy; PCR primer; ss.
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                                                                                                                                                                                                                                                  0.3%; Score 15.8; DB 1; Length 20;
89.5%; Pred. No. 3.3e+02;
tive 0; Mismatches 2; Indels
                                                                                                                                                                                                                        Sequence 20 BP; 8 A; 2 C; 7 G; 3 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human MTS1 gene mutant detection primer 42P.
                                                           Example 9; Col 73-74; 80pp; English
                                                                                                                                                                                                                                                                                                             4079 GGTTCCAGTTGCCAATTTC 4097
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Example 8; Col 71; 72pp; English
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94US-00215086.
94US-00215087.
94US-00227369.
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95US-00480810
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                                                                                                                                                                                                                                                                                                                                                                                                                   AAA95641 standard; DNA; 20
                                                                                                                                                                                                                                           Query Match
Best Local Similarity 89.5'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          14-FEB-2001 (first entry)
   WPI; 1999-044585/04.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         WPI; 2000-514036/46.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Homo sapiens
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            18-MAR-1994;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                18-MAR-1994;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US6090578-A.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     18-JUL-2000
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                                                                                                                                                                                                                                                                                                                                                                                                                                              AAA95641;
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                                                                                                                                                                                                                                                                                                                                                                                      RESULT 440
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ID AAA9
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                                                                                                                                                                                                                                                                                                                                     This invention describes three human multiple tumour suppression proteins. The MTS gene locus is also referred to as the familial melanoma (MLM) gene locus, located on human chromosome 9p21. Germ line mutations in MTS genes can be used in the diagnosis of predisposition to cancers, e.g. melanoma, leukaemia, astrocytoma, gliboblastoma, lymphoma, glioma, Hodgkin's lymphoma, CLL, and cancers of the pancreas, breast, thyroid, ovary, uterus, testis, kidney, stomach and rectum. NOTE: This sequence is not mentioned in the specification but is given in the sequence ID listing. (Updated on 17-OCT-2003 to standardise OS field)
                                                                                                                                                                                                                                                specific for Multiple Tumour Suppressor IEI-beta gene - are useful the diagnosis of cancers related to MTSIEI-beta mutation(s) and their
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Human; multiple tumour suppressor 1 gene; MTS1; cancer; PCR primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PCR primer 42F used to screen exon 2 of human genomic MTS1 gene.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0.3%; Score 15.8; DB 1; Length 20;
llarity 89.5%; Pred. No. 3.3e+02;
Conservative 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 20 BP; 8 A; 2 C; 7 G; 3 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                           Disclosure; Col 69-70; 72pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             GGTTCCAGTTGCCAATTTC 4097
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                                                                      94US-00215086.
94US-00215087.
94US-00227369.
94US-00251938.
95WO-US003316.
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                               95US-00487033
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95US-00487033
                                                         94US-00214582
                                                                                                                                                              GENETICS INC.
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(first entry)
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Les 17; Conserva
                                                                                                                                                                                                                      WPI; 1998-250421/22.
                                                                                                                                                            (MYRI-) MYRIAD
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Homo sapiens
                            07-JUN-1995;
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                                                                         18-MAR-1994;
18-MAR-1994;
                                                                                                    14-APR-1994;
01-JUN-1994;
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03-FEB-1999
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                                                                                                                                 17-MAR-1995
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                                                                                                                                                                                                                                                                                treatment
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                                                                                                                                                                                           Kamb A;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT 439
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Matches
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This sequence is a PCR primer for DNA encoding the human MTS1 protein. The invention relates to a method for diagnosing a polymorphism associated with a predisposition to cancer by detecting a germ-line alteration of a wild-type Multiple Tumour Suppressor (MTS) gene or its expression products in a human sample. The method comprises detecting a germ-line alteration of a wild-type MTS gene or its expression products one of the cancers. The cancer is selected from melanoma, leukaemia, one of the cancers. The cancer is selected from melanoma, leukaemia, lymphocytic leukaemia, lymphoma, glioma, Hodgkin's lymphoma, chronic lymphocytic leukaemia, leasties, kidney, stomach and rectum. The method may be used as the basis for developing very important diagnostic tests capable of predicting the predisposition to cancers. The MTS gene is
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                                                                                                                                                                                                                                                                                                                                                                                                                                                          MTS; human; polymorphism detection; cancer predisposition; astrocytoma; Multiple Tumour Suppressor gene; melanoma; leukaemia; glioblastoma; lymphoma; glioma; Hodgkin's lymphoma; chronic lymphocytic leukaemia; therapy; MTS1; PCR primer; ss.
glioma, Hodgkin's lymphoma, multiple myeloma, sarcoma, myosarcoma, cholangiocarcinoma, squamous cell carcinoma, CLL, and cancers of pancreas, breast, stomach, brain, prostate, bladder, thyroid, ovary, uterus, testis, kidney, colon and rectum. The MTSI gene and protein is useful in gene therapy, protein replacement therapy and protein mimetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Diagnosing a polymorphism associated with a predisposition for cancer.
                                                                                                                                                                                   Gaps
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                                                                                                                                               Score 15.8; DB 1; Length 20;
Pred. No. 3.3e+02;
0; Mismatches 2; Indels
                                                                                                                  Sequence 20 BP; 8 A; 2 C; 7 G; 3 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Kamb A;
                                                                                                                                                                                                                                                                                                                                                                                                                                PCR primer for human MTS1 coding sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Example 8; Col 71-72; 74pp; English.
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AAZ48780 standard; cDNA; 20 BP.
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94US-00215086.
94US-00215087.
94US-00227369.
94US-00251938.
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                                                                                                                                                                                                                                                                                                                                                                                                   (first entry)
                                                                                                                                                                                     17; Conservative
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                                                                                                                                                        Query Match
Best Local Similarity
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18-MAR-1994;
18-MAR-1994;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Homo sapiens
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01-JUN-1994;
17-MAR-1995;
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(MYRI-)
                                                                                          studies
                                                                                                                                                                                      Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      This sequence represents a PCR primer for the human multiple tumour suppressor 2 (MTS2) coding sequence of the invention. The DNA sequences are useful for diagnosing or determining a predisposition to cancers e.g. melanoma, leukaemia, lymphoma, glioma, Hodgkin's lymphoma and cancers of the pancreas, breast, thyroid, ovary, kidney, uterus and stomach
                                                                                                                                                                                                                                                                                                                            Multiple tumour suppressor; MT92; human; diagnosis; Hodgkin's lymphoma; cancer predisposition; melanoma; leukaemia; lymphoma; glioma; PCR primer;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Multiple tumor suppressor cDNA, useful for diagnosing or determining a predisposition to cancer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
                                                                                                       Gaps
involved in the progression of multiple tumour types and may provide means for a general anti-cancer therapy by virtue of its ability to
                                                                                                                                                                                                                                                                                                   PCR primer for human multiple tumour suppressor 2 coding sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 20;
                                                                             0.3%; Score 15.8; DB 1; Length 20; 89.5%; Pred. No. 3.3e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         2; Indels
                                                                                                       Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 20 BP; 8 A; 2 C; 7 G; 3 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Match 0.3%; Score 15.8; DB 1; Local Similarity 89.5%; Pred. No. 3.3e+02; les 17; Conservative 0; Mismatches 2;
                                                  Sequence 20 BP; 8 A; 2 C; 7 G; 3 T; 0 U; 0 Other;
                                                                                                         0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Example 8; Col 69-70; 72pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   4079 GGTTCCAGTTGCCAATTTC 4097
                                                                                                                                    4079 GGTTCCAGTTGCCAATTTC 4097
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            20 GCTTCCAGTTTCCAATTTC 2
                                                                                                                                                 94US-00214582.
94US-00215086.
94US-00215087.
94US-00227369.
94US-00251938.
                                                                                                                                                                                                                               ВЪ
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      95WO-US003316
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (MYRI-) MYRIAD GENETICS INC.
                                                                                                                                                                                                                               AAZ39985 standard; DNA; 20
                                                                                                                                                                                                                                                                                11-FEB-2000 (first entry)
                                                                       Query Match
Best Local Similarity 89.55
Est Local 17; Conservative
                              suppress tumour growth
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WPI; 2000-038259/03.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 18-MAR-1994;
14-APR-1994;
01-JUN-1994;
17-MAR-1995;
                                                                                                                                                                                                                                                                                                                                                                                                     Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 07-JUN-1995;
                                                                                                                                                                                                                                                                                                                                                                                                                            US5994095-A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          18-MAR-1994;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      18-MAR-1994;
                                                                                                                                                                                                                                                                                                                                                                                                                                                       30-NOV-1999
                                                                                                                                                                                                                                                                                                                                                                                       Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
                                                                                                                                                              20
                                                                                                                                                                                                                                                         AAZ39985;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Kamb A;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Matches
                                                                                                                                                                                                                  AAZ39985,
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      ន្តដូន្ធន
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Variant; human; multiple tumour suppressor; MTS; mutation; melanoma; cancer; diagnosis; PCR primer; ss.

Homo sapiens.

US6037462-A. 14-MAR-2000 94US-00214582. 94US-00215086. 94US-00215087. 94US-00227369.

18-MAR-1994 18-MAR-1994 14-APR-1994 01-JUN-1994 17-MAR-1995

95WO-US003316 95US-00480810

07-JUN-1995,

(MYRI-) MYRIAD GENETICS INC.

WPI; 2000-269915/23

Kamb A;

deletions.

98US-00120130

22-JUL-1998;

Human MTS1 gene exon screening primer 42F.

(first entry)

11-OCT-2000

AAA11171;

AAA11171 standard; DNA; 20 BP.

AAA11171/c

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The piregular uncertainty of the human MTSIE1-beta. (I) is useful for polynucleotide sequence of the human MTSIE1-beta. (I) is useful for introducing will-drype MTS function to a cancerous or pre-cancerous cell which carries diminished or mutant MTS alleles for suppressing neoplastic which carries diminished or mutant MTS alleles for suppressing neoplastic growth of the recipient cells. (I) is also useful for increasing the level of expression of MTS gene even in tumour cells in which the mutant gene is expression of MTS gene even in tumour cells in which the mutant central and a moral level but the gene product is not fully functional. A host cell transformed with (I) is useful as a model system to study cancer remission and drug treatment which promotes such remission. The present invention relates to somatic mutations and germ clime mutations in the MTS gene and their use in the diagnosis and prognosis of human cancer e.g. melanoma, leukaemia, and cancers of the prognosis of human, glioma, Hodgkin's lymphoma, and cancers of the pancers, byroid, ovary, uterus, testis, kidney, stomach and rectum. The present sequence represents an oligonucleotide given in the sequence listing from the present invention, but which does not appear to
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     New vector useful for gene therapy of cancer associated with mutation in tumor suppressor gene, comprises DNA sequence of multiple tumor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  The present invention describes a vector (I) comprising an isolated DNA
                                                                                                                                                                                         Human, multiple tumour suppressor, MTS, somatic mutation, cancer, diagnosis, germ line mutation, gene therapy, cytostatic, melanoma, leukaemia, astrocytoma, glioblastoma, lymphoma, glioma,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match 0.3%; Score 15.8; DB 1; Length 20; Best Local Similarity 89.5%; Pred. No. 3.3e+02; Matches 17; Conservative 0; Mismatches 2; Indels
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                                                                                                                                                     Human MTS related oligonucleotide SEQ ID NO:8.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   mentioned further within the specification
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Disclosure; Col 71; 71pp; English.
                                     AAA39359 standard; DNA; 20 BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                          94US-00214582.
94US-00215086.
94US-00227369.
94US-00251938.
95WO-US003316.
95US-00986147.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (MYRI-) MYRIAD GENETICS INC.
                                                                                                               (first entry)
                                                                                                                                                                                                                                             Hodgkin's lymphoma; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WPI; 2000-349676/30.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            suppressor gene.
                                                                                                                                                                                                                                                                                        Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                        14-JUL-1998;
                                                                                                               12-SEP-2000
                                                                                                                                                                                                                                                                                                                              US6060301-A.
                                                                                                                                                                                                                                                                                                                                                                  09-MAY-2000
                                                                                                                                                                                                                                                                                                                                                                                                                                              18-MAR-1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                18-MAR-1994;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       01-JUN-1994
17-MAR-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               08-DEC-1997
                                                                           AAA39359,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Kamb A;
   443
RESULT 443
AAA39359/c
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aB

New mutants of the human multiple tumor suppressor gene, useful diagnostic markers of cancer, contain specific base alterations

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gape
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         / Match 0.3%; Score 15.8; DB 1; Length 20; Local Similarity 89.5%; Pred. No. 3.3e+02; Albarrative 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 20 BP; 8 A; 2 C; 7 G; 3 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            4079 GGTTCCAGTTGCCAATTTC 4097
                                                                                                                                                                                                                                                                                                                                                                                                                                      Example 8; Col 69; 72pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        20 GCTTCCAGTTTCCAATTTC 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ВР
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAZ55597 standard; DNA; 20
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Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               gene
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Gaps

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4079 GGTTCCAGTTGCCAATTTC 4097

20 GCTTCCAGTTTCCAATTTC 2

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The invention relates to canine interleukin-4 (IL-4), canine or feline CC FiL-3 ligand, canine or feline CD40, canine or feline CD54 (CD40 ilgand), canine IL-5, canine IL-13, feline interferon-alpha (IFN-alpha) and feline granulocyte macrophage colony-stimulating factor (CMCSF), and modelocides which encode these immunoregulatory proteins. The proteins, consed as vaccined nucleic acids, specific antibodies and inhibitors may be used as vaccines for therapeutic or prophylactic regulation of an immune response in animals (particularly acts, dogs, horses and humans). They may be used to treat autoimmune or infectious diseases including consequences and legises, tumnours, inflammation and graft rejection, and to increase the response from a co-administered antigen. The nucleotide sequences can also be used for the recombinant production of a protein, while concluding response from a co-administered antigen. The nucleotide sequences can also be used for the recombinant production of a protein, while concluding as sources of inhibitory therapeutics (e.g., antisense oligonucleotides).

The proteins may be used to raise antibodies and to screen for modulators of activity, while the antibodies may be used in detection, and in drug cargetting. Sequences AAZ55491.4255498, AAZ55515 and AAZ555181-

C ES5608 represent PCR primers used in isolation, amplification and cloning of CDNAs encoding the immunoregulatory proteins of the invention
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                                                          Interleukin; IL-4; IL-5; IL-13; Flt-3 ligand; CD40; CD40 ligand; CD154; interferon-alpha; IFN-alpha; GMCSF; antibody; canine; feline; granulocyte macrophage colony-stimulating factor; inhibitor; immune response; immunoregulation; tumour; cancer; autoimmune disease;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Nucleic acids encoding immunoregulatory proteins from cats or dogs, useful for treating or preventing e.g. tumors or autoimmune disease
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Oligonucleotide #8 produced by a novel sequencing method.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 20 BP; 2 A; 4 C; 7 G; 7 T; 0 U; 0 Other;
Canine IL-13 sense PCR primer, SEQ ID NO:143.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Yang S, Dreitz MJ, Wonderling RS;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Example 6A; Page 108; 264pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        3920 ATGGCTCTCTGGTTGGCTG 3938
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ATGGCGCTCTGGTTGACTG 19
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        99WO-US011942
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          98US-0087306P
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                                                                                                                                                                                                                                   vaccine; PCR; primer; ss
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WPI; 2000-072623/06.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (HESK-) HESKA CORP.
                                                                                                                                                                                                                                                                                                             Synthetic.
Canis familiaris.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        28-MAY-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  29-MAY-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                       WO9961618-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 02-DEC-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAA90517
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ID AAAAS
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The present invention relates to a method for identifying a target base in a nucleic acid ("template"). A primer is used in the present method, which hybridises to the template adjacent to the target position. A polymerase reaction is then carried out on the primer and template in the presence of a nucleotide, which is incorporated and detected only when the nucleotide is complementary to the base in the target position. A single-stranded nucleic acid binding procein (SSB) is included in the polymerase reaction step. The present sequence is an oligonucleotide product, produced by the present method. This sequence was used to exemplify the advantages of the new method of the present invention. The method is useful for sequencing nucleic acids such as DNA and for identifying single nucleotide mutations which are characteristic of many
                                                                                                                                                                                                                                                                                                      Identifying a target base in a nucleic acid comprising polymerase reaction of a target sequence with a primer where a single single-grranded nucleic acid binding protein is included in the reaction, useful
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human antibody; detection; Fab; immunoglobulin; heterophilic antibody;
human anti-mouse antibody; HAMA antibody; interleukin 8; IL-8; Herpes;
target antigen; bacterial; fungal; viral; pathogen; human disease;
hepatitis A; hepatitis B; hepatitis C; influenca; diardia; Malaria;
Leishmania; Staphylococcus aureus; Pseudomonas aeruginosa; diagnosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0.3%; Score 15.8; DB 1; Length 20; 89.5%; Pred. No. 3.3e+02; rative 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 20 BP; 5 A; 5 C; 5 G; 5 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Hco7 mice cDNA heavy chain PCR primer #952.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               4770 GACTGACTGACTAAATGAC 4788
SSB; single nucleotide mutation;
                                                                                                                                                                                                                                                                                                                                                                                               Example 4; Fig 5; 37pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          20 GACTGACTGACTGAC 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               BP
                                                                                                                                                                                                                                                                                                                                                               for sequencing nucleic acids.
                                                                                                                                  20-JAN-2000; 2000WO-GB000146
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              28-AUG-2001 (first entry)
                                                                                                                                                                                                  (PYRO-) PYROSEQUENCING AB.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   diseases e.g. cancer
                                                                                                                                                                                                                                                                                WPI; 2000-476200/41.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Local Similarity
                                                                                                                                                                                                                   GARDNER R.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WO200140306-A1
                                                                     WO200043540-A1
                                    Unidentified
                                                                                                                                                                  22-JAN-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               17;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PCR primer;
                                                                                                    27-JUL-2000
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Synthetic.
                                                                                                                                                                                                                                                    Ronaghi M;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Matches
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pancreas or breast
                                                                                                                                                                                                                                                                                           gene therapy
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   12-VUT-1095;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      03-APR-2001
                        18-MAR-1994
                                                                                                                                                                                                                                                                                                                                                                                                                      20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAS02570;
                                                                                                                                                                                                                                                                                                                                           Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Stone S,
                                                                                                                          Kamb A;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                  g
                                                                                                                                                                                                                                  the present invention describes a method for detecting an analyte in a human sample containing human antibodies that specifically bind to antibodies from a nonhuman species. The method involves contacting the sample with a human antibody (I) which specifically binds to antibodies from a nonhuman species and detecting the binding between (I) and the analyte to indicate presence of the analyte. The method is used for detecting an analyte in a human sample containing human anti-mouse antibody (HAMA) (preferably human anti-mouse idiotype antibodies and/or heterophilic antibodies). The method can also be used for detecting any type of targer antigon including bacterial, fungal and viral pathogens that cause human diseases e.g., hepatitis (A,B and C), influenza, Herpes, Glardia, Malaria, Leishmania, Staphylococcus aureus, Pseudomonas than antibodies can be used as detection reagents for performing clinical diagnostic tests and for performing other in viro detection assays, including for research purposes. (I) can be used in qualitative assays designed to indicate the presence of one or more target antigens above minimally detectable amounts of the sample that usually correspond to the sensitivity limitations of the sample that usually correspond to the sensitivity limitations of the sample that usually correspond to the sensitivity limitative sense. Observed out using (I): AAH41686, and AAB993361 to AAB99339, represent sequences used in the exemplification of the present invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ö
                                                                                                                                                             Detecting analyte in human sample containing human antibodies binding to nonhuman-antibodies, involves contacting sample with human antibody which binds to antibodies from nonhuman species and detecting binding.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   'Human; multiple tumour suppressor; MTS; cancer; gene therapy; ss.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0.3%; Score 15.8; DB 1; Length 20;
89.5%; Pred. No. 3.3e+02;
tive 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 20 BP; 2 A; 4 C; 10 G; 4 T; 0 U; 0 Other;
                                                                                                              Lonberg N;
                                                                                                                                                                                                                Example 3; Page 52; 135pp; English.
                                                                                                              Gray J,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         366 CCTCCACCAACAGCCCATC 384
                                                                         (BIOS-) BIOSITE DIAGNOSTICS INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           19 CCTCCACCAAGGGCCCATC 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAF58177 standard; DNA; 20 BP
                        06-DEC-2000; 2000WO-US033042
                                                 99US-00456090.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Local Similarity 89.5
108 17; Conservative
                                                                                                             Buechler J, Valkirs G,
                                                                                     (GENP-) GENPHARM INT
                                                                                                                                       WPI; 2001-374798/39.
                                                 06-DEC-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     22-JUL-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Homo sapiens
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07-JUN-2001
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAF58177;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
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The present invention relates to human multiple tumor suppressor-2 (MTS2) gene. The invention is useful for diagnosing, prognosing and treating cancers. It is also useful for screening drugs for cancer therapy and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  New mouse multiple tumor suppressor gene, useful for diagnosing or prognosing human cancer, as gene therapy for treating cancer, particularly melanoma, leukemia, astrocytoma, lymphoma or cancers of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human; multiple tumour suppressor; MTS1; MTS2; therapeutic; diagnostic; cancer; gene therapy; melanoma; leukaemia; astrocytoma; glioblastoma; lymphoma; glioma; Hodgkin's lymphoma; chronic lymphatic leukaemia; PCR primer; ss.
                                                                                                                                                                                                                                                                                                                                                                 Novel multiple tumor suppressor gene useful for diagnosing, prognosing and treating cancers, such as melanoma, leukemia, glioblastoma and Hodgkin's lymphoma.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gapa
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0.3%; Score 15.8; DB 1; Length 20;
89.5%; Pred. No. 3.3e+02;
tive 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 20 BP; 8 A; 2 C; 7 G; 3 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          4079 GGTTCCAGTTGCCAATTTC 4097
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Example 8; Col 69; 71pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GCTTCCAGTTTCCAATTTC 2
94US-00214582.
94US-00215086.
94US-00215087.
94US-00251938.
95WS-00486047.
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                                                                                                                                                                                                      GENETICS INC.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Kamb A;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAS02570 standard; DNA; 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    29-AUG-2001 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Matches 17; Conservative
                                                                                                                                                                                                                                                                                                               WPI; 2001-158668/16.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Jiang P,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Local Similarity
                                                                                                                                                                                                   (MYRI-) MYRIAD
                                                          18-MAR-1994;
01-JUN-1994;
17-MAR-1995;
07-JUN-1995;
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Gaps

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The sequence represents PCR primer #3 used in analysis of multiple tumour usupressor MTS1 and MTS2. The MTS genes, and expression products, are useful for treating, diagnosing or prognosing human cancer. In particular, the MTS gene is useful for diagnosing a predisposition to or as a gene therapy for melanoma, leukaemia, astrocytoma, gliobastoma, lymphoma, chronic lymphatic leukaemia (CLL), or cancers of the pancreas, breast, thyroid, ovary, uterus, testis, kidney, stomach or rectum. The gene may be used in both cancerous and pre
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     The present invention describes a method (M1) for producing a human antibody phage display library (1), comprising: (1) providing a nonhuman transgenic animal (II) whose genome comprises human immunoglobulin genes; (2) isolating nucleic acids encoding human antibody chains (III) from lymphatic cells; and (3) forming a library of display packages whose members comprise a nucleic acid encoding (III) which is displayed from the package. The method is used for producing a human antibody display library, e.g., a Fab phage display library. The display method may be used to screen nucleic acids encoding antibody chains obtained from immunised nonhuman transgenic animals, and from this a population of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Producing a human antibody phage display library comprises providing a transgenic animal whose genome comprises human immunoglobulin genes and isolating nucleic acids encoding antibody chains from lymphatic cells.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human, antibody, immunoglobulin, interleukin 8; IL8; immunogen; human antibody phage display library; immunisation; transgenic animal;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Mice of genotype Hco7 heavy chain oligonucleotide PCR primer #952
                                                                                                                                                                                                                                                                                / Match 0.3%; Score 15.8; DB 1; Length 20; Local Similarity 89.5%; Pred. No. 3.3e+02; les 17; Conservative 0; Mismatches 2: Indele
                                                                                                                                                                                                                                                Sequence 20 BP; 8 A; 2 C; 7 G; 3 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (BIOS-) BIOSITE DIAGNOSTICS INC.
(GENP-) GENPHARM INT SUBSIDIARY OF MEDAREX INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Lonberg N;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Example 3; Page 56; 161pp; English.
                    Disclosure, Col 73; 80pp; English
                                                                                                                                                                                                                                                                                                                                                                     4079 GGTTCCAGTTGCCAATTTC 4097
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gray J,
                                                                                                                                                                                                                                                                                                                                                                                           20 GCTTCCAGTTTCCAATTTC 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAH29961 standard; DNA; 20 BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                99US-0157415P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WPI; 2001-335567/35.
                                                                                                                                                                                                                -cancerous cells
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                human antibody
PCR primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WO200125492-A1
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                                                                                                                                                                                                                                                                                          Query Match
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Matches
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                 display library using this method means there is no need to immunise humans with antigens, and the difficulties faced with immortalising B cells are avoided. AAH29958 to AAH30066 and AAB74994 to AAB75056 represent sequences used in the exemplification of the present invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                The invention relates to somatic and germ line mutations in the multiple tumour suppressor (MTS) gene in human cancer. The invention also relates to therapy of human cancer which have a mutation in the MTS gene, including gene therapy, protein replacement therapy, and procein mimetics. The MTS sequences are useful for diagnosing predisposition to muman cancer or for diagnosing and prognosing predisposition to melanoma, leukaemia, astrocytoma, glioblastoma, lymphoma, glioma, Hodgkin's lymphoma, CLL and cancers of pancreas, breast, thyroid, ovary, uterus, testis kidney, stomach and rectum. They are also used for screening drugs for cancer treatment. The present sequence is 42F primer used for amplifying human MTS1 exon 2 sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                             Human; multiple tumour suppressor; MTS1; cytostatic; somatic mutation; germ line mutation; agent therapy; melanoma; leukaemia; astrocytoma; CLL; glioblastoma; lymphoma; Hombona; Gancer; rectum; pancreas; breast; rhyroid; ovary; uterus; testis; kidney; stomach; pancreas;
may be prepared. Production of a human monoclonal antibodies
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Novel multiple tumor suppressor proteins useful for diagnosis and prognosis of human cancer and for screening drugs for cancer treatment.
                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                               Human multiple tumour suppressor 1 exon 2 amplifying primer, 42F.
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                                                                                                                                    Score 15.8; DB 1; Length 20; Pred. No. 3.3e+02;
                                                                                                                                                                      2; Indels
                                                                                                    Sequence 20 BP; 2 A; 4 C; 10 G; 4 T; 0 U; 0 Other;
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                                                                                                                                                                      0; Mismatches
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                                                                                                                                                                                                        366 CCTCCACCAACAGCCCATC 384
                                                                                                                                                                                                                            19 CCTCCACCAAGGGCCCATC 1
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94US-00215086.
94US-00215087.
94US-00227369.
94US-00251938.
                                                                                                                                      0.3%;
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                                                                                                                                                      89.5%;
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                                                                                                                                                                                                                                                                                                                            AAD04699 standard; DNA; 20
                                                                                                                                                                                                                                                                                                                                                                                               (first entry)
                                                                                                                                                                      17; Conservative
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                                                                                                                                                        Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     primer; ss.
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01-JUN-1994;
17-MAR-1995;
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                                                                                                                                      Query Match
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MTS; Multiple Tumour Suppressor; cancer; antibody; ss.
                                                                               Primer 42F for screening exon 2 in MTS1
              AAC83077 standard; DNA; 20
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                                                                                                                                                                                                                                                                                                     (MYRI-) MYRIAD
                                                                                                                           Homo sapiens
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                                                                                                                                                                    31-OCT-2000
                                                          23-FEB-2001
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18-MAR-1994
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                                    AAC83077;
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                                                                                                                                                                                                                                                                                                                           Kamb A;
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Matches
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   AAC83077/
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             The present invention describes a method for detecting the presence of polymorphisms associated with inflammatory bowel diseases such as ulcerative colitis and Crohn's disease. The methods can be used to detect the presence of genetic polymorphisms associated with inflammatory bowel disease and correlating their occurrence with disease states. They may be used in this way for phenotypic correlations, forensics, paternity testing, medicine and genetic analysis. The present sequence is a polymorphic site described in the exemplification of the invention
                                                                                                                                                                                                            Human; inflammatory bowel disease; Crohn's disease; ulcerative colitis; single nucleotide polymorphism; SNP; chromosome 19p13; paternity test; chromosome 5q31-33; forensic test; gene therapy; ds.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Testing for the presence of polymorphisms associated with inflammatory bowel disease, using a hybridization assay.
                                                                                                                                                                                                                                                                                                    /*tag= a
/note= "SNP, optionally insertion or deletion at this
position"
                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
                                                                                                                                                                                        Human inflammatory bowel disease associated polymorphic site #529.
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     Length 20,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0.3%; Score 15.8; DB 1; Length 20; 85.0%; Pred. No. 3.3e+02; ive 0; Mismatches 3; Indels
    Score 15.8; DB 1; Length 2
Pred. No. 3.3e+02;
0; Mismatches 2; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 20 BP; 17 A; 0 C; 2 G; 0 T; 0 U; 1 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Rioux J,
                                                                                                                                                                                                                                                                                                                                                                                                                                             (WHED ) WHITEHEAD INST BIOMEDICAL RES. (ELLI-) ELLIPSIS BIOTHERAPEUTICS CORP.
                                                                                                                                                                                                                                                                               Location/Qualifiers
                                             4079 GGIICCAGIIGCCAAIIIC 4097
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Claim 1, Page 61; 463pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Lander ES,
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                                                                                                                         AAH91454 standard; DNA; 20 BP.
  0.3%;
                                                            10-DEC-1999; 99US-0170257P.
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                                                                                                                                                                    (first entry)
Query Match
Best Local Similarity 89.5
Matches 17; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Hudson IJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WPI; 2001-367874/38.
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                                                                                                                                                                                                                                                                                       misc_feature
                                                                                                                                                                                                                                                          sapiens
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                                                                                                                                              AAH91454;
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Best Local 8
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Matches
                                                                                                    RESULT 452
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94US-00214582. 94US-00215086. 94US-00215087. 94US-00227369. 95WO-US003316. 95US-00486047.

GENETICS INC.

98US-00120128

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New multiple tumor suppressor 2-specific antibodies useful for detecting differences in the absence of the peptides or mutant gene products, or
                                                                                                                                     The present invention relates to an antibody or its fragment that specifically binds to a human multiple tumour suppressor (MTS). The invention is useful for detecting differences in the absence of MTS peptides, to screen a tissue or to detect mutant MTS gene products. The antibodies will immunoprecipitate MTS proteins from solution as wall as react with MTS protein on Western or immunoblots of polyacrylamide gels
                                                                                                                                                                                                                                                                                                                                                                                                           Gapa
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therapy; human; PCR; primer; 88.
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                                                                                                                                                                                                                                                                                                                                                       0.3%; Score 15.8; DB 1; Length 20;
larity 89.5%; Pred. No. 3.3e+02;
Conservative 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                        Sequence 20 BP; 8 A; 2 C; 7 G; 3 T; 0 U; 0 Other;
                                                                                           Example 8; Col 71; 71pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                       4079 GGTTCCAGTTGCCAATTTC 4097
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                                                 for screening tissues.
                                                                                                                                                                                                                                                                                                                                                                               Local Similarity
nes 17; Conserv
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5025 AAAAAAAAAAAAAAAAA 5044

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Monia BP,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Mammary gland bioreactor; transgenic; goat; animal; ALA; PCR; primer; 8s.
                                                                                                                                                                                                variation
                                                                                                                              Diagnosis and treatment of lesion of crystalline lens by using crygs gene and its product in pharmaceutical compositions, particularly for therapy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              New method of preparing mammary gland bioreactor with macrofragment DNA for implementing site-specific and fixed time expression of target genes in mammary glands and producing transgenic animals.
                                                                                                                                                                                                                                           of
                                                                                                                                                                                   The invention relates to a method for the diagnosis of cataract susceptibility in an individual. The method comprises detecting variat: in the crygs gene, its transcript and/or protein of the individual by comparing with the normal gene to indicate the higher possibility in suffering from cataract. The crygs gene and gene-encoded protein are useful in the diagnosis and in pharmaceutical compositions for the treatment of a lesion of a crystalline lens, particularly for therapy cataract. This polynucleotide sequence represents an oligonucleotide related to the crygs gene of the invention
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                                                                                           Jin Y,
                                                                                                                                                                                                                                                                                                0.3%; Score 15.8; DB 1; Length 20; 89.5%; Pred. No. 3.3e+02;
                                                                                                                                                                                                                                                                                                                    Indels
                                                                                              Sulitang Y,
                                                                                                                                                                                                                                                                                                                                                                                                                                                           Mammary gland bioreactor related oligonucleotide #9.
                                                                                                                                                                                                                                                                                                                     5;
                                                                                                                                                                                                                                                                               Sequence 20 BP; 5 A; 5 C; 3 G; 7 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (ZHON-) ZHONGLU BIOLOGICAL ENG CO LTD SHANGHAI
                                                                                                                                                                                                                                                                                                                   0; Mismatches
                                                                            (SHAN-) SHANGHAI RES CENT BIOTECHNOLOGY
                                                                                              Jin M,
                                                                                                                                                                                                                                                                                                                                        4343 CTGGCTCAGATATGAAAAT 4361
                                                                                                                                                                      Example 1; Page 8; 28pp; Chinese.
                                                                                              Yan S,
                                                                                                                                                                                                                                                                                                                                                    CTGGCTTAGACATGAAAAT 2
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                                       24-AUG-2001; 2001WO-CN001274
                                                         25-AUG-2000; 2000CN-00119756
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Chen J;
                                                                                                                                                                                                                                                                                                                                                                                                         AAL45671 standard; DNA; 20
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                                                                                                                                                                                                                                                                                                                       17; Conservative
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                                                                                                Zhao
                                                                                                               WPI; 2002-427092/45
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                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity
Matches 17; Conserv
                                                                                                Bu L,
     WO200240667-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Unidentified
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                                                                                                                                                       cataract.
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                                                                                                                                                                                                                                                                                                                                                           50
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                                                                                               Kong X,
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The present invention relates to antisense compounds and methods for modulating the expression of human phosphorylase kinase beta. The antisense compounds, particularly antisense oligonucleotides, target and inhibit the expression of human phosphorylase kinase beta. The antisense compounds are useful for inhibiting the expression of human phosphorylase
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    /note= "OTHER= Phosphorothicate internuclectide linkages, optionally bases 1-5 and 16-20 are 2'-methoxyethoxy (2'-MOE) bases, where the 2'-MOE cytidines are also
                                                bioreactor using a large fragment of DNA, comprising a mammary gland bioreactor using a large fragment of DNA, comprising injecting the DNA macrofragment into a fertilised ovum and transferring the ovum into a goat, where the target gene in the macrofragment has site-specific expression in the mammary gland of the goat. The method is useful for effectively implementing site-specific and fixed time expression of target genes in mammary glands and producing transgenic animals e.g. goats. The present sequence is an oligonucleotide described in the exemplification of the invention
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human; phosphorylase kinase beta; metabolic disorder; diabetes;
infection; inflammation; tumour formation; antidiabetic;
antiinflammatory; cytostatic; phosphorothloate; ss.
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                                                                                                                                                                                                                                                                                                                                                                                                                              0.3%; Score 15.8; DB 1; Length 20;
89.5%; Pred. No. 3.3e+02;
tive 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                         Sequence 20 BP; 6 A; 4 C; 4 G; 6 T; 0 U; 0 Other;
Example 3; Page 12(Disclosure); 20pp; Chinese.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1374 TGGACATTTTTCCCTGAA 1392
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       /mod_base= OTHER
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/*tag=
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Wyatt JR;
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        condition associated with expression of phosphorylase kinase beta such as metabolic disorder e.g. diabetes. The compounds are useful for to prevent or delay infection, inflammation or tumour formation. The antisense compounds are useful in the preparation of a pharmaceutically formulation. They are highly specific, have an enhanced affinity for the nucleic acid target, and are safely and effectively administered to humans. ABK68888-ABK69955 represent human phosphorylase kinase beta
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  or mouse tumor associated with
                                                                                                                                  antisense oligonucleotides which comprise a phosphorothioate backbone
                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                       Tumour necrosis factor receptor 2; TWFR2; antisense oligonucleotide;
phosphorothioate; 2'-O-methoxyethyl; ss.
 kinase beta in human cells or tissues and for treating an animal
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                                                                                                                                                                                  0.3%; Score 15.8; DB 1; Length 20; 89.5%; Pred. No. 3.3e+02;
                                                                                                                                                                                                            2; Indels
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/mod_base= OTHER
/note= "2'-O-methoxyethyl nucleotides"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               note = "2'-0-methoxyethyl nucleotides"
                                                                                                                                                                                                                                                                                                                                                                                                                Mouse TNFR2 antisense oligonucleotide SEQ ID NO:138
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            note= "phosphorothioate linkages"
                                                                                                                                                          Sequence 20 BP; 6 A; 4 C; 5 G; 5 T; 0 U; 0 Other;
                                                                                                                                                                                                            0; Mismatches
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                                                                                                                                                                                                                                       3672 TCTTACATACAGCCGAATT 3690
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mod_base= OTHER
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                                                                                                                                                                                                                                                           19 TCTTGCATACAGGCGAATT 1
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                                                                                                                                                                                                                                                                                                                                   ABQ74888 standard; DNA; 20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WPI; 2002-606814/65.
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Best Local Similarity
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modified_base
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                                                                                                                                                                                                            Matches
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The present invention describes compounds of 8-30 nucleobases antisense

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to a nucleic acid encoding human or mouse tumour necrosis factor receptor 2 (TNRE2). Also described is a method for inhibiting expression of human or mouse TNRR2 comprising contacting cells or tissues in vitro with one of the claimed compounds. The antisense compounds are used to treat a disease or condition associated with expression of TNRR2. The present sequence represents a mouse TNRR2 antisense chimeric phosphorothioate oligonucleotide, which is given in the present invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         New humanized heavy or light chain antibody that specifically binds to the surface antigen S of hepatitis B virus (HBV), useful for preventing
                                                                                                                                                                                                                                Gape
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Virucide, hepatotropic, vaccine, gene therapy, humanized antibody, surface antigen S; hepatitis B virus; HBV; heavy chain; light chain; mouse; Complementarity Determining Region; CBR; HCDR1; HCDR2; HCDR3; hepatitis B virus infection; PCR; primer; 89.
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                                                                                                                                                                                          0.3%; Score 15.8; DB 1; Length 20;
89.5%; Pred. No. 3.3e+02;
tive 0; Mismatches 2; Indels
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Pred. No. 3.3e+02;
0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 20 BP; 2 A; 4 C; 10 G; 4 T; 0 U; 0 Other;
                                                                                                                                                      Sequence 20 BP; 2 A; 8 C; 3 G; 7 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Heavy chain variable mutant PCR primer, SEQ ID 6.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Example 1; SEQ ID NO 6; 97pp; English
                                                                                                                                                                                                                                                                      4489 CAGAAAGTAGGACCAAGTG 4507
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             the surface antigen S of hepat:
and/or treating HBV infection.
                                                                                                                                                                                                                                                                                          CAGCAAGTAGGAGCAAGTG
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29-SEP-2001; 2001KR-00060966.
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llarity 89.5%;
Conservative
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                                                                                                                                                                                      Query Match 0.3
Best Local Similarity 89.5
Matches 17, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WPI; 2002-599792/64.
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Best Local Similarity
Matches 17; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      26-FEB-2004
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Synthetic.
                                                                                                                                                                                                                                                                                                          20
                                                                                                                                                                                                                                                                                                                                                                                                                                              ADG24459;
                                                                                                                                                                                                                                                                                                                                                                  RESULT 458
                                                                                                                                                                                                                                                                                                                                                                                        ADG24459,
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ss; PCR; primer; heavy chain variable region; insect cells; antibody; Fab fragment; single chain Fv; immunoglobulin; IgG1; passive vaccine; infection; negative immune reaction; serum sickness; anaphylactic shock.
  Synthetic linker sequence for heavy chain variable region PCR primer.
                                                                      Synthetic
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        The present invention relates to humanized antibodies against the surface antigen S of hepatitis B virus (HBV). The humanized antibodies comprise heavy and light chains, which have sequences of mouse origin at the heavy and light Complementarity Determining Regions (CDR) 1-3 (HCDR1, HCDR2, HCDR3, LCDR1, LCDR2 and LCDR3). In addition, human anti-mouse antibody (HRMA) response is minimized by eliminating peptide sequences from heavy chain of the above humanized antibody which bind Major Histocompatibility Complex (MHC) class II molecules. The antibodies are useful in preventing and/or treating hepatitis B virus infection in humans.
                                                                                                                                                                                                                                                                                                                                                                                                                                      New humanized heavy or light chain antibody that specifically binds to the surface antigen S of hepatitis B virus (HBV), useful for preventing and/or treating HBV infection.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
                                                                                                                                                                       Virucide; hepatotropic; vaccine; gene therapy; humanized antibody; surface antigen S; hepatitis B virus; HBV; heavy chain; light chain; mouse; Complementarity Determining Region; CDR; HCDR1; HCDR2; HCDR3; LCDR1; LCDR2; LCDR3; hepatitis B virus infection; ss.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 15.8; DB 1; Length 20; Pred. No. 3.3e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         2; Indels
                                                                                                                                                  Humanized antibody HZII-H67 related oligonucleotide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 20 BP; 4 A; 10 C; 4 G; 2 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                      (KORE-) KOREA RES INST BIOSCIENCE & BIOTECHNOLOG.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0; Mismatches
CCTCCACCAACAGCCCATC 384
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             366 CCTCCACCAACAGCCCATC 384
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Example 1; Fig 1; 97pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CTCCACCAAGGGCCCATC 20
                                                                               BP.
               CCTCCACCAAGGGCCCATC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            BP,
                                                                                                                                                                                                                                                                                                                                   02-OCT-2000; 2000KR-00057891.
29-SEP-2001; 2001KR-00060966.
                                                                                                                                                                                                                                                                                                            04-OCT-2001; 2001WO-KR001657
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ch 0.3%;
il Similarity 89.5%;
17; Conservative (
                                                                              ADG24508 standard; DNA; 20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity
Matches 17; Conserv
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                                                                                                                                                                                                                                            Homo sapiens.
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                                                                                                                                                                                                                               Synthetic
 366
                                                                                                     ADG24508;
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                                                       RESULT 459
                                                                   ADG24508
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The invention relates to a DNA construct for expressing in insect cells, a complete antibody light or heavy chain derived from the corresponding of a complete antibody light chain derived from the corresponding single chain Fv. For a vector for expression of a light chain (including one from a single chain Fv For a vector for expression of a light chain (including one from a single chain Fv For a vector for a expression of secretion of a protein from insect cells, and a DNA sequence encoding the leavy chain of the desired antibody. For a vector for a expression of heavy chain, the cassette includes the same signal sequence encoding the heavy chain of the desired antibody, and the coding construct also contains a promoter and a transcription terminator. Also construct also contains a promoter and a transcription terminator. Also included are the transformed insect cell expressing a desired antibody, and an Igd1 antibody derived from the expression in an insect cell of the construct, a passive vaccine against an infections agent recognised by the Igg1 antibody (comparising the Igg1 antibody from a corresponding for the Igg1 antibody from a corresponding stellar producing a complete chimaeric light chain gene of single chain Fv fragment. preducing a complete chimaeric light chain and transforming the insect cells with the construct to isolate the Igg1 antibody is also useful for treating an infection caused by an agent recognised by the Igg1 antibody is also useful for detecting antigens specific for the infection suced by an agent recognised by the Igg1 antibody is also useful for antibodies in a sample suspected of containing such antigens, and for passive immunisation, especially in humans, without negative immunisation, especially in humans, without negative immunisation is such as serum sickness or anaphylactic special by persent construct.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Novel DNA construct for obtaining conformationally active immunoglobulin GI antibody from Fab fragment, has an antibody light or heavy chain derived from Fab fragment or a light chain derived from single chain Fv.
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the heavy chain variable region sequence, used in the manufacture of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      the construct of the invention
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                                                                                                                                                                                                                                                       08-MAR-2001; 2001US-0274164P
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Guttieri MC, Schmaljohn
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Best Local Similarity 89.5
Matches 17, Conservative
                                                                                                                                                                                                                                                                                                                                        (GUTT/) GUTTIERI M C. (SCHM/) SCHMALJOHN C
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US2002197677-A1.
                                                                                     26-DEC-2002
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Key
modified_base
     Homo sapiens.
                                              19-DEC-2002
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    8X4X4X4X4X4X4X4X4X4X4X4X4X4X4X4X4X4X
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                                                                                                                                                                                                                                                                                                                                                                                                                                A new compound, which is 8-50 nucleobases in length targeted to a nucleic acid molecule encoding urokinase plasminogen activator, specifically hybridises with and inhibite the expression of urokinase plasminogen activator. The compound is useful for preparing a composition for treating (e.g. by gene therapy) hyperproliferative disorder, cancer e.g., breast, colon, bone, brain, ovary, cervix, endometrium, stomach or kidney cancer, or tumour metastasis. This sequence represents an anitsense oligonucleotide used to modulate expression of urokinase plasminogen
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PCR; primer; 88; neoplastic; pre-neoplastic; heterozygosity; cytostatic; urothelial neoplasia; MTS1; human.
                                                                                                                                                                                                                                                                                                                                                      New antisense compound, useful for preparing a composition for treating hyperproliferative disorders, cancer e.g., breast, colon, bone, brain, ovary, cervix, endometrium, stomach or kidney cancer, or tumor
                                                                                                           Urokinase plasminogen activator; gene therapy; cancer; hyperproliferative disorder; cancer; brone cancer; brone cancer; brone cancer; brone cancer; endometrium cancer; stoned, cancer; kidney cancer; tumour metastasis; antisense oligonucleotide; se.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GapB
                                                                                        Mouse urokinase plasminogen activator antisense oligonucleotide #17
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Seguence 20 BP; 4 A; 7 C; 4 G; 5 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                              Example 16; Page 93; 153pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Human MTS1 exon 2 PCR primer 1.
                                                                                                                                                                                                                                                                                                                Watt AT;
                        ABX17785 standard; DNA; 20 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ABZ25516 standard; DNA; 20 BP
                                                                                                                                                                                                                                            18-MAR-2002; 2002WO-US008112.
                                                                                                                                                                                                                                                                   30-MAR-2001; 2001US-00821972.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (first entry)
                                                                  (first entry)
                                                                                                                                                                                                                                                                                        (ISIS-) ISIS PHARM INC
                                                                                                                                                                                                                                                                                                              Freier SM,
                                                                                                                                                                                                                                                                                                                                  WPI; 2003-058441/05.
                                                                                                                                                                                                 WO200279515-A1.
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                                                                   05-FEB-2003
                                                                                                                                                                                                                        10-OCT-2002
                                                                                                                                                                                                                                                                                                                                                                                         metastasis.
                                                                                                                                                                                                                                                                                                             Baker BF,
                                                                                                                                                                             Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           activator
                                              ABX17785;
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   RESULT 461
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AC ABZ2:
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DB Humar
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The invention relates to a novel method for detecting a cell with a neoplastic or pre-neoplastic phenotype, comprising testing a sample cell for the presence of loss of heteroxygosity at one or more loci on one or more chromosomes. The chromosomes are selected from a group of chromosome indicative of a neoplastic or pre-neoplastic phenotype. The method of the invention has cytostatic activity. Detecting a cell with a neoplastic or pre-neoplastic phenotype is useful for diagnosing, monitoring or treating pre-neoplastic phenotype is useful for diagnosing, monitoring or treating urchhelial neoplasia. The pregresent sequence represents a PCR primer used in the invention to amplify exon 1 of the MTS1 gene
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Detecting a cell with a neoplastic or pre-neoplastic phenotype, useful for diagnosing or treating neoplasia or pre-neoplastic conditions, comprises testing the cell for the presence of loss of heterozygosity at
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   /mod_base= OTHER
/note= "This oligonucleotide has a phosphorothioate
backbone and 2-"methyoxyethyl (2'-MOE) wings at the 5'
and 3' ends, which are 5 nucleotides in length. Also all
cytidine residues are 5-methylcytidines"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gape
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Vitamin D nuclear receptor antisense oligonucleotide, SEQ ID 39.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Example 5; Page 96; 248pp; English.
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                                                                                                                                                 11-JUN-2002; 2002WO-US018427.
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                                                                                                                                                                                                                                                                                              (TEXA ) UNIV TEXAS SYSTEM
                                                                                                                                                                                                                                                                                                                                                                         Czerniak B, Johnston
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WO2002100246-A2
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cyclin-dependent kinase 4 inhibitor (CDK4I) genes and their corresponding
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                                                                              Query Match
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(VVEL/)
(BERG/)
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(STUR/)
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                                                                                                                                                                       The present invention relates to novel antisense oligonucleotides (ADB99875-ADB99952) which are targeted to a human vitamin D nuclear receptor coding sequence (ADB99864), and specifically hybridizes with and inhibits the expression of vitamin D nuclear receptor. The antisense oligonucleotides are useful for treating an animal having a disease or condition associated with vitamin D nuclear receptor, e.g. cancer or developmental disorder.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           The present invention relates to novel tumour suppressor genes, termed as
                                                                                                                              cancer or
                                                                                                                   New antisense oligonucleotides for modulating vitamin D nuclear receptor gene expression, particularly useful for treating or preventing cancer or developmental disorder, or as diagnostics or research reagents.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              New isolated polynucleotide encoding cyclin-dependent kinase 41, useful for preparing a composition for diagnosing or treating cancer.
                                                                                                                                                                                                                                                                                            Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                      tumour suppressor gene; cyclin-dependent kinase 4 inhibitor;
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                                                                                                                                                                                                                                                                       Score 15.8; DB 1; Length 20;
Pred. No. 3.3e+02;
0; Mismatches 2; Indels
                                                                                                                                                                                                                                                      Sequence 20 BP; 4 A; 4 C; 8 G; 4 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                       exon DNA specific primer #1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   gene therapy; primer; ss.
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                                                                                                                                                           Claim 3; SEQ ID NO 39; 122pp; English
                                                                                                                                                                                                                                                                                                               302 AGAGCTTTCCCAGTTCTCC 320
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                                                                                  Roach MP
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                          13-NOV-2002; 2002WO-US036692
                                             14-NOV-2001; 2001US-0000213
                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity 89.5%;
Matches 17; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                     (first entry)
                                                                PHARM INC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (CARS/) CARSON D A. (NOBO/) NOBORI T.
                                                                                  Dobie K,
                                                                                                     WPI; 2003-468578/44.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                     cancer;
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                                                                                                                                                                                                                                                                                                                                                                                                                                        Human CDK4I'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Homo sapiens
                                                                ISIS
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         22-MAY-2003
                                                                                   Baker BF,
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                                                                (ISIS-)
                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human;
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The present invention relates to a method of identifying a predisposition to melanoma. The method comprises determining whether a human individual carrying a cyclin dependent kinase inhibitor 2A (DKNA2A) mutant allele also carries a melanocortin-1 receptor (MCIR) variant allele, where the presence of a WCIR variant allele indicates a predisposition of the individual to melanoma greater than that expected as a consequence of the CDKN2A mutant allele alone. Also disclosed is a kit for identifying a predisposition to melanoma. The kit comprises MCIR gene-specific primers and/or CDKN2A gene-specific primers and MCIR variant allele-specific primers probes and/or CDKN2A mutant allele-specific
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proteins. The polynucleotides are useful for preparing a composition for diagnosing or treating cancer. Sequences of the invention are also useful in gene therapy. The present sequence is human CDK41' exon DNA specific primer used in the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Predisposition; melanoma; human; cyclin dependent kinase inhibitor 2A; CDKW2A; mutant allele; melanocortin-1 receptor; MCIR; variant allele; gene-specific; primer; 85.
                                                                                                                                                                                                                                                                  Gaps
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                                                                                                                                                 Sequence 20 BP; 8 A; 2 C; 7 G; 3 T; 0 U; 0 Other;
                                                                                                                                                                                                       0.3%; Score 15.8; DB 1;
89.5%; Pred. No. 3.3e+02;
iive 0; Mismatches 2;
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Frants RR;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human CDKN2A gene-specific primer #5.
                                                                                                                                                                                                                                                                                                                           4079 GGTTCCAGTTGCCAATTTC 4097
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Bergman W,
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GRUIS N A.
VAN DER VELDEN P A
BERGMAN W.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (first entry)
                                                                                                                                                                                                                                    Best Local Similarity 89.
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DUFFY D L.
HAYWARD N K.
MARTIN N G.
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Der Velden PA,
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The invention relates to a novel pharmaceutical composition, which has a first active agent comprising an oligonucleotide antisense to the initiation codon, coding reggion, 5' or 3' end genomic flanking regions, 5' and 3' intron-exon junctions, or regions within 2-10 nucleotides of junctions of genee encoding a polypeptide associated with lung and/or nasal airway dysfunction and a second active agent comprising an initial numarcory steroid and ubiquinone. A composition of the invention has antiinflammatory, antiallargic, antiasthmatch, hypotenaive, immunosuppressive, and cytostatic activity. The composition may have a immunosuppressive, and cytostatic activity. The composition may have a preventing a respiratory, lung or malignant disease or condition, also for enhancing the prophylactic or therapeutic respiratory effect of an antialfammatory steroid in a subject, for reducing levels of adenosine receptor, producing bronchodilation, increasing levels of adenosine receptor, producing bronchodilation, increasing levels of tung surfactant in a subject's tissue, or treating bronchoconstriction,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human; antisense; lung dysfunction; nasal airway dysfunction; antinflammatory steroid; ubiquinone; antinflammatory; antiallergic; antiathmatic; hypotensive; immunosuppressive; cycostatic; gene therapy; antisense gene therapy; respiratory; lung; adenosine sensitivity; adenosine receptor; bronchodiation; bronchoconstriction; lung allergy; lung inflammation; respiratory disease; ds.
comprises MCIR sequencing primers and/or CDKN2A sequencing primers. The method is useful for identifying a predisposition to melanoma. The present sequence represents a gene-specific primer that can be used in
                                                                                                                                                                                                                                                                                                                  Gaps
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                                                                                                                                                                         Sequence 20 BP; 8 A; 2 C; 7 G; 3 T; 0 U; 0 Other;
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                                                                                                        the method of the present invention.
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2, Shahabuddin
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Best Local Similarity 89.5'
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Miller S, Tang L,
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The invention relates to a novel pharmaceutical composition, which has a first active agent comprising an oligonucleotide antisense to the initiation codon, coding regalon, 5' or 3' end genomic flanking regions, 5' and 3' intron-exon junctions, or regions within 2-10 nucleotides of junctions of genes encoding a polypeptide associated with lung and/or nasal airway dysfunction and a second active agent comprising an ratinflammatory steroid and ubiquinone. A composition of the invention has antiinflammatory, antiallergic, antiasthmatic, hypotensive, immunosuppressive, and cytostatic activity. The composition may have a treat in antisense gene therapy. The composition is useful for treating or preventing a respiratory, lung or malignant disease or condition, also for enhancing the prophylactic or therapeutic respiratory effect of an antisinflammatory steroid in a subject, for reducing or depleting levels of, or reducing sensitivity to adenosine, reducing levels of adenosine receptor, producing bronchodilation, increasing bronchoconstriction,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Pharmaceutical composition for treating ailments associated with impaired respiration, has oligo(s) antisense to specific gene(s) or its corresponding RNAs, and glucocorticoid or non-glucocorticoid steroid or
lung inflammation, lung allergies, or a respiratory disease or condition. Note: The sequence data for this patent is not represented in the printed specification, but was obtained in electronic format directly from WIPO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human; antisense; lung dysfunction; nasal airway dysfunction; antiinflammatory steroid; ubiquinone; antiinflammatory; antiallergic; antiathmatic; hypotensive; immunosuppressive; cytostatic; gene therapy; antisense gene therapy; respiratory; lung; adenosine sensitivity; adenosine receptor; bronchodilation; bronchoconstriction; lung allergy;
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89.5%; Pred. No. 3.3e+02;
ative 0; Mismatches 2; Indels
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                                                                                                 Sequence 20 BP; 6 A; 1 C; 10 G; 3 T; 0 U; 0 Other;
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                                                              at ftp.wipo.int/pub/published_pct_sequences
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Best Local Similarity 89.5
Matches 17; Conservative
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The invention relates to a novel pharmaceutical composition, which has a first active agent comprising an oligonucleotide antisense to the initiation codon, coding region, 5' or 3' end genomic flanking regions, 5' or 1' end genomic flanking regions, 5' or 1' end genomic flanking regions, 1' or regions within 2-10 mucleotides of junctions of genes encoding a polypeptide associated with lung and/or nasal airway dysfunction and a second active agent comprising an antiinflammatory steroid and ubiquinone. A composition of the invention has antiinflammatory, antiallergic, antiasthmatic, hypotensive, immunosuppressive, and cytostatic activity. The composition may have a immunosuppressive, and cytostatic activity. The composition may have a immunosuppressive, num or malignant disease or condition, also for enhancing the prophylactic or therapeutic respiratory effect of an office of the prophylactic or therapeutic respiratory effect of an antiinflammatory steroid in a subject, for reducing levels of adenosine coffice or producing bronchodilation, increasing levels of ubiquinone or receptor, producing bronchodilation, increasing levels of ubiquinone or lung surfactant in a subject's tissue, or treating bronchoconstriction,
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lung inflammation, lung allergies, or a respiratory disease or condition. Note: The sequence data for this patent is not represented in the printed specification, but was obtained in electronic format directly from WIPO at ftp.wipo.int/pub/published_pct_sequences
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human; antisense; lung dysfunction; nasal airway dysfunction; antinflammatory steroid; ubiquinone; antinflammatory; antiallergic; antiatethmatic; hypotensive; immunosuppressive; cytostatic; gene therapy; antisense gene therapy; respiratory; lung; adenosine sensitivity; adenosine receptor; bronchodilation; bronchoconstriction; lung allergy; lung inflammation; respiratory disease; ds.
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Pred. No. 3.3e+02;
0; Mismatches 2; Indels
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                                                                                                         Sequence 20 BP; 16 A; 4 C; 0 G; 0 T; 0 U; 0 Other;
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Best Local Similarity 89.5
Matches 17; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   17-OCT-2003
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ubiquinone.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Miller S,
                                                                                                                                                                                                                                                                                                                                                                                                                                           ABZ89500;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Nyce JW,
                                                                                                                                                                                                                                                                                                                                                          RESULT 468
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The invention relates to a novel pharmaceutical composition, which has a first active agent comprising an oligonucleotide antisense to the initiation codon, coding region, 5' or 3' end genomic flanking regions, 5' and 3' intron-exon junctions, or regions within 2-10 mucleotides of 5' and 3' intron-exon junctions, or regions within 2-10 mucleotides of junctions of genes encoding a polypeptide associated with lung and/or nasal airway dysfunction and a second active agent comprising an entinfilal mamatory steroid and ubiquinone. A composition may have a immunosuppressive, antiallergic, antiathmetic, hypotensive, an antianse gene therapy. The composition is useful for treating or use in antisense gene therapy. The composition is useful for treating or preventing a respiratory, lung or malignant disease or condition, also for enhancing the prophylactic or therapeutic respiratory effect of an ential amatory steroid in a subject, for reducing levels of adenosine of of, or reducing sensitivity to adenosine, reducing levels of adenosine receptor, producing bronchodilation, increasing levels of ubiquinone or lung surfactant in a subject's tissue, or treating bronchoconstriction,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Pharmaceutical composition for treating ailments associated with impaired respiration, has oligo(s) antisense to specific gene(s) or its corresponding RNAs, and glucocorticoid or non-glucocorticoid steroid or ubiquinone.
                                                                                                                                                                              ö
lung inflammation, lung allergies, or a respiratory disease or condition. Note: The sequence data for this patent is not represented in the printed specification, but was obtained in electronic format directly from WIPO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human, antisense; lung dysfunction; nasal airway dysfunction; antinflammatory steroid; ubiquinone; antiinflammatory; antiallergic; antiasthmatic; hypotensive; immunosuppressive; cytostatic; gene therapy; antisense gene therapy; respiratory; lung; adenosine sensitivity; adenosine receptor; bronchodilation; bronchoconstriction; lung allergy;
                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Pabalan J, Aguilar D;
                                                                                                                                                                              ö
                                                                                                                                       Length 20;
                                                                                                                                                                                Indels
                                                                                                  Sequence 20 BP; 7 A; 2 C; 3 G; 8 T; 0 U; 0 Other;
                                                                                                                                         0.3%; Score 15.8; DB 1;
39.5%; Pred. No. 3.3e+02;
ive 0; Mismatches 2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Disclosure; SEQ ID NO 9285; 872pp; English.
                                                             at ftp.wipo.int/pub/published_pct_sequences
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                inflammation; respiratory disease; ds.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Katz E,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Li Y, Sandrasagra A, Ka
Tang L, Shahabuddin S;
                                                                                                                                                                                                                         390 TCTATGAAGAAGACCCTT 408
                                                                                                                                                                                                                                                              TTTATGAAGAAGACCTTT 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Human oligonucleotide sequence.
                                                                                                                                                                                                                                                                                                                                                              BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          23-APR-2002; 2002WO-US013135.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (EPIG-) EPIGENESIS PHARM INC
                                                                                                                                                             ilarity 89.5%;
Conservative
                                                                                                                                                                                                                                                                                                                                                                ABZ94043 standard; DNA; 20
                                                                                                                                                                                                                                                                                                                                                                                                                                            (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WPI; 2003-229219/22.
                                                                                                                                                                    Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WO200285308-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Homo sapiens.
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Miller S,
                                                                                                                                                                                                                                                                                                                                                                                                       ABZ94043;
                                                                                                                                                   Query Match
                                                                                                                                                                                                                                                                                                                             469
                                                                                                                                                                      Best Loca
Matches
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                                                                                                                                                                                                                                                                                                                             RESULT
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respiratory tract inflammation; adenosine sensitivity; lung; cancer; surfactant depletion; antiallergic; antiinflammatory; antiasthmatic; analgesic; hypotensive; immunosuppressive; cycotatic; cystic fibroals; beta-adrenergic agonist; respiratory disease; pulmonary vasoconstriction; respiratory distress syndrome; allergic rhintiis; pulmonary hypertension; emphysema; chronic obstructive pulmonary disease; cancer; bronchitis; pulmonary transplantation rejection; ss; primer.

hyposecretion; pain,

Human calmodulin 2-derived oligonucleotide SEQ ID 3184.

(first entry)

29-JUL-2004

ABD24172;

ABD24172 standard; DNA; 20

bronchoconstriction, allergy;

antisense;

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lung inflammation, lung allergies, or a respiratory disease or condition. Note: The sequence data for this patent is not represented in the printed specification, but was obtained in electronic format directly from WIPO
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             DNA polymerization; drug susceptibility; HIV; reverse transcriptase; RT;
                                                                                                                                                                                                                                                                                                                                       Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Measuring DNA-dependent DNA polymerization in a biological sample, for drug susceptibility testing, comprises measuring the amount of incorporated modified deoxynucleoside triphosphate with the aid of labeled antibody.
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                                                                                                                                                                                                                                                          0.3%; Score 15.8; DB 1; Length 20;
89.5%; Pred. No. 3.3e+02;
ative 0; Mismatches 2; Indel8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Template (CTGA)5 for second strand synthesis by HIV RT.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gronowitz S, Shao X;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 20 BP; 5 A; 5 C; 5 G; 5 T; 0 U; 0 Other;
                                                                                                                                                                                         Sequence 20 BP; 4 A; 7 C; 4 G; 5 T; 0 U; 0 Other;
                                                                                                               at ftp.wipo.int/pub/published_pct_sequences
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Example 1; Page 31; 36pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                             4280 CTCCTCATAGCGTCCATGG 4298
                                                                                                                                                                                                                                                                                                                                                                                                                                                       CTCCTCATAGCGGCCATTG 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Kaellander C, Pettersson I,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 14-JUN-2002; 2002WO-SE001155.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              14-JUN-2001; 2001US-0297773P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ABZ75637 standard; DNA; 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (first entry)
                                                                                                                                                                                                                                                                                                                                       Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (CAVI-) CAVIDI TECH AB.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  MPI; 2003-167535/16.
                                                                                                                                                                                                                                               Query Match
Best Local Similarity
Matches 17; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WO2002103039-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              15-MAY-2003
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ABZ75637;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RESULT 470
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AAC AB27

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Aguilar

Pabalan J,

Katz E, S;

Sandrasagra A,

Li Y, Sa Tang L,

Miller S,

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WPI; 2003-093058/08.

23-APR-2002; 2002WO-US013143. 24-APR-2001; 2001US-0286036P. (EPIG-) EPIGENESIS PHARM INC.

WO200285309-A2 Homo sapiens.

31-OCT-2002.

oligonucleotide containing less percentage of adenosine, targeted t nucleic acids associated with lung airway or lung dysfunction, and

bronchodilating agent

Pharmaceutical composition for treating asthma, has antisense

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This invention describes a novel composition (a) a first active agent, comprising oligonucleotides, effective for alleviating bronchoconstruction, respiratory tract inflammation, allergies and reducing adanosine sensitivity, levels of adenosine (A) or (A) receptors, confidence acted extractory tract inflammation allergies and reducing adenosine sensitivity. Pevels of adenosine (A) or (A) receptors, coligonucleotides are derived from a gene encoding or regulating dysfunction or cancer and can be anti-sense to the corresponding mRNA. The invention also describes a kit, that comprises: (a) a delivery dysfunction or adding a carrier and for use of the kit. The composition of the invention has antiallergic, antialfammatory, antiathmatic, analgesic, hypotensive, immunosuppressive and cytostatic activity, is a beta-adrenergic agonist. The composition is useful for preventing or treating a respiratory, lung or malignant disease. The administered composition comprises oligo and is administered to reduce the production or availability, or to increase the degradation of the target mRNA or to recease the amount of target polypeptide present in the lungs. The pulmonary obstruction, and/or bronchoonstriction and/or lung inflammation, allergies as the polypeptide present in the lungs. The pulmonary disease or condition such as pulmonary vasoconstriction, and or surfactant hypoproduction are associated with a disease or condition such as pulmonary vasoconstriction, respiratory distress syndrome, pain, cystic fibrosis, allergic rhintis, pulmonary transplantation rejection, pulmonary infections, bunnernt and thereby, to the allogonucleotides into products that free adenosine into the system or series. Jung, brain, heart, kidney, etc. tissue environment and thereby, to prevent any unwanted effects due to it
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Gaps

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4769 TGACTGACTGACTAAATGA 4787

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RESULT 471

ABD24172

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This invention describes a novel composition (a) a first active agent, CC comprising oligonucleotides, effective for alleviating comprising oligonucleotides, effective for alleviating comprising oligonucleotides, effective for alleviating control of the constitution, when administered to a mammal. The culgonucleotides are derived from a gene encoding or regulating conjugnated of a target polypeptide associated with lung airway or lung dysfunction or cancer and can be anti-sense to the corresponding mRNA. The invention also describes a kit, that comprises: (a) a delivery device, in separate containers, (b) the oligonucleotides, (c) constructions for adding a carrier and for use of the kit. The composition of the invention has antiallergic, antiinflammatory, antiasthmatic, analgesic, hypotensive, immunosuppressive and cytostatic activity, is a composition comprises oligo and is administered to reduce the production composition comprises oligo and is administered to reduce the production or availability, or to increase the degradation of the target mRNA or to constill ammation, allergies and/or bronchoconstriction and/or lung inflammation, allergies and/or surfactant hypoproduction are associated inflammation, allergies and/or surfactant hypoproduction are associated
                                         ö
                                                                                                                                                                                                                                                                                                                                                                   Human; antisense; bronchoconstriction; allergy; hyposecretion; pain; respiratory tract inflammation; adenosine sensitivity; lung; cancer; surfactant depletion; antiallergic; antinflammatory; antiasthmatic; analgesic; hypotensive; immunosuppressive; cytostatic; cystic fibrosis; beta-adrenergic agonist; respiratory disease; pulmonary vasoconstriction; respiratory distress syndrome; allergic rhinitis; pulmonary hypertension; emphysema; chronic obstructive pulmonary disease; cancer; bronchitis; pulmonary transplantation rejection; ss; primer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             S
                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Pharmaceutical composition for treating asthma, has antisense oligonucleotide containing less percentage of adenosine, targeted trucleic acids associated with lung airway or lung dysfunction, and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Aguilar D;
                                         ö
  Length 20;
                                         2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Pabalan J,
Score 15.8; DB 1;
Pred. No. 3.3e+02;
0; Mismatches 2;
                                                                                                                                                                                                                                                                                                                                        AA284245-derived oligonucleotide SEQ ID 9285.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Claim 15; SEQ ID NO 9285; 763pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              i Y, Sandrasagra A, Ka
Tang L, Shahabuddin S;
                                                                                1261 AGAGGAGAGTTGAAGAGAG 1279
                                                                                                       2 AGGGGAGTGTTGAAGAGAG 20
                                                                                                                                                                                                                        ABD30273 standard; DNA; 20 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              23-APR-2002; 2002WO-US013143.
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0.3%;
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                                                                                                                                                                                                                                                                                                       (first entry)
  Ouery Match
Best Local Similarity 89.5
Marches 17; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             bronchodilating agent
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Li Y,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WO200285309-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Homo sapiens.
                                                                                                                                                                                                                                                                                                       29-JUL-2004
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Miller S,
                                                                                                                                                                                                                                                                  ABD30273;
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This invention describes a novel composition (a) a first active agent, comprising oligonucleotides, effective for alleviating bronchoconstriction, respiratory tract inflammation, allergies and reducing adenosine sensitivity, levels of adenosine (A) or (A) receptors, surfactant depletion or hyposecretion, when administered to a mammal. The olygonucleotides are derived from a gene encoding or regulating expression of a target polypeptide associated with lung airway or lung dysfunction or cancer and can be anti-sense to the corresponding mRNA.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human, antisense; bronchoconstriction, allergy; hyposecretion; pain; respiratory tract inflammation; adenosine sensitivity; lung; cancer; surfactant depletion; antiallergic, antiinflammatory; antiasthmatic; analgesic; hypotensive; immunosuppressive; cytostatic; cystic fibrosis; beta-adrenergic agonist; respiratory disease; pulmonary vasoconstriction; respiratory distress syndrome; allergic rhinitis; pulmonary hypertension; emphysema; chronic obstructive pulmonary disease; cancer; bronchitis; pulmonary transplantation rejection; ss; primer.
with a disease or condition such as pulmonary vasoconstriction, inflammation, allergies, asthma, impeded respiration, respiratory distress syndrome, pain, cystic fibrosis, allergic rhinitis, pulmonary hypertension, emphysema, chronic obstructive pulmonary disease, pulmonary transplantation rejection, pulmonary infections, bronchitis or cancer. The reduced adenosine content of the anti-sense oligos corresponding to thymidines present in the target RNA serves to prevent the breakdown of the oligonucleotides into products that free adenosine into the system e.g., lung, brain, heart, kindey, etc, tissue environment and thereby, to prevent any unwanted effects due to it
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                                                                                                                                                                                                                                                                                                     Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Aguilar D;
                                                                                                                                                                                                                                                                                                     ö
                                                                                                                                                                                                                                                           0.3%; Score 15.8; DB 1; Length 20; 89.5%; Pred. No. 3.3e+02;
                                                                                                                                                                                                                                                                                                       Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Pabalan J,
                                                                                                                                                                                                                        Sequence 20 BP; 4 A; 7 C; 4 G; 5 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AA465687-derived oligonucleotide SEQ ID 4742.
                                                                                                                                                                                                                                                                                                         0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Li Y, Sandrasagra A, Ka
Tang L, Shahabuddin S;
                                                                                                                                                                                                                                                                                                                                                4280 CICCICATAGCGTCCATGG 4298
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ABD25730 standard; DNA; 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       29-JUL-2004 (first entry)
                                                                                                                                                                                                                                                           Query Match
Best Local Similarity 89.5
watches 17; Conservative
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Miller S,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 473
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Claim 15; SEQ ID NO 5617; 763pp; English.

bronchodilating agent.

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The invention also describes a kit, that comprises: (a) a delivery device, in separate containers, (b) the oligonucleotides, (c) instructions for adding a carrier and for use of the kit. The composition of the invention has antiallergic, antiinflammatory, antiasthmatic, analgesic, hypotensive, immunosuppressive and cytostatic activity, is a beta-adrenergic agonist. The composition is useful for preventing or treating a respiratory, lung or malignant disease. The administered composition comprises oligo and is administered to reduce the production or availability, or to increase the degradation of the target mRNA or to reduce the amount of target polypeptide present in the lungs. The pulmonary obstruction, and/or bronchoconstriction and/or lung inflammation, allergies and/or surfactant hypoproduction are associated with a disease or condition such as pulmonary vasconstriction.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  inflammation, allergies, aethma, impeded respiration, respiratory distress syndrome, pain, cystic fibrosis, allergic rhinitis, pulmonary hypertension, emphysema, chronic obstructive pulmonary disease, pulmonary transplantation rejection, pulmonary infections, bronchitis or cancer. The reduced adenosine content of the anti-sense oligos corresponding to thymidines present in the target RNA serves to prevent the breakdown of the oligonucleotides into products that free adenosine into the system
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ung, brain, heart, kidney, etc, tissue environment and thereby, to
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
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Pred. No. 3.3e+02;
0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 20 BP; 7 A; 2 C; 3 G; 8 T; 0 U; 0 Other;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             prevent any unwanted effects due to it
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 390 TCTATGAAGAAGACCCTT 408
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity 89.5.
These 17; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ABD26605;
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ABD1

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This invention describes a novel composition (a) a first active agent, comprising oligonucleotides, effective for alleviating bronchoconstriction, respiratory tract inflammation, allergies and reducing adenosine sensitivity, levels of adenosine (A) or (A) receptors, creducing adenosine sensitivity, levels of adenosine (A) or (A) receptors, configuration or hyposecretion, when administered to a mammal. The oligonucleotides are derived from a gene encoding or regulating creptoration or cancer and can be anti-sense to the corresponding mRNA. The invention also describes a kit, that comprises: (a) a delivery certain in separate containers, (b) the oligonucleotides, (c) instructions for adding a carrier and for use of the kit. The composition of the invention has antiallergic, antiinflammatory, antiasthmatic, analgesic, hypotensive, immunosuppressive and cytostatic activity, is a certain a respiratory, lung or mailgnant disease. The administered containers are composition comprises oligo and is administered to reduce the production or availability, or to increase the degradation of the target mRNA or to creduce the amount of target polypeptide present in the lungs. The pulmonary obstruction, and/or bronchoconeriction and/or lung inflammation, allergies and/or bronchoconeriction are associated containers.

inflammation, allergies, asthma, impeded respiration, respiratory distress syndrome, pain, cystic fibrosis, allergic rhinitis, pulmonary hypertension, emphysema, chronic obstructive pulmonary disease, pulmonary transplantation rejection, pulmonary infections, bronchitis or cancer. The reduced adenosine content of the anti-sense oligos corresponding to thymidines present in the target RNA serves to prevent the breakdown of the oligonucleotides into products that free adenosine into the system

e.g., lung, brain, heart, kidney, etc, tissue environment and thereby, to prevent any unwanted effects due to it

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                              antisense oligonucleotide; glucocorticoid receptor; infection; inflammation; tumour formation; diabetes; obesity; cardiovascular disorder; hyperlipidaemia; Cushing's syndrome; human; 88; phosphorothioate backbone; 2'-methoxyethyl; 2'-MOB.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                Human glucocorticoid receptor-specific antisense oligonucleotide #1622.
                                                                                                                                                                                                                                                                                                                                    Gape
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                                                                                                                                                                                                                                                                                                                  1 0.3%; Score 15.8; DB 1; Length 20; Similarity 89.5%; Pred. No. 3.3e+02; Conservative 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                   Sequence 20 BP; 16 A; 4 C; 0 G; 0 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                    5047 AAAAAAAAAAAAAAAC 5065
                                                                                                                                                                                                                                                                                                                                                                    1 AAACAAAAACAAAAAAC 19
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                                                                                                                                                                                                                                                                                                                                                                                                              ADH64788 standard; DNA; 20
                                                                                                                                                                                                                                                                                                                                                                                                                                              (first entry)
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Best Local Simi]
Matches 17;
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Pharmaceutical composition for treating asthma, has antisense oligonuclectide containing less percentage of adenosine, targeted to nucleic acids associated with lung airway or lung dysfunction, and

Pabalan J, Aguilar D;

Katz E,

Li Y, Sandrasagra A, Ka Tang L, Shahabuddin S;

Nyce JW, Miller S,

WPI; 2003-093058/08.

24-APR-2001; 2001US-0286036P. 23-APR-2002; 2002WO-US013143.

WO200285309-A2.

31-OCT-2002.

Homo sapiens

(EPIG-) EPIGENESIS PHARM INC

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US2003232437-A1.
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                                                                                                                                                                                                                                                                                                                      RESULT 477
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                                                                                                                                                                                           The invention comprises an antisense oligonucleotides that are targeted to nucleic acids encoding a mammalian glucocorticoid receptor. The antisense oligonucleotides of the invention are useful for preventing or delaying infection, inflammation or tumour formation. The antisense oligonucleotides are also useful for treating diabetes, obesity, cardiovascular disorders, hyperlipidaemia or Cushing's syndrome. The present DNA sequence represents an antisense oligonucleotide that targets the human glucocorticoid receptor gene. NOTE: The present sequence contains 2'-methoxyethyl (2'-MOE) wings and a phosphorothioate backbone.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           New antisense compound targeted to a nucleic acid molecule encoding mammalian glucocorticoid receptor, useful for treating diabetes, obesity, cardiovascular disorder, hyperlipidemia or Cushing's syndrome.
                                                                             New antisense compound targeted to a nucleic acid molecule encoding mammalian glucocorticoid receptor, useful for treating diabetes, obesity, cardiovascular disorder, hyperlipidemia or Cushing's syndrome.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                The invention comprises an antisense oligonucleotides that are targeted to nucleic acids encoding a mammalian glucocorticoid receptor. The antisense oligonucleotides of the invention are useful for preventing or delaying infection, inflammation or tumour formation. The antisense oligonucleotides are also useful for treating diabetes, obesity,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     antisense oligonucleotide; glucocorticoid receptor; infection; inflammation; tumour formation; diabetes; obesity; cardiovascular disorder; hyperlipidaemia; Cushing's syndrome; human; ss; phosphorothioate backbone; 2'-methoxyethyl; 2'-MOE.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Human glucocorticoid receptor-specific antisense oligonucleotide #1774.
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0.3%; Score 15.8; DB 1; Length 20;
Best Local Similarity 89.5%; Pred. No. 3.3e+02;
Matches 17; Conservative 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 20 BP; 3 A; 10 C; 1 G; 6 T; 0 U; 0 Other;
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                                                                                                                                                            Claim 4; SEQ ID NO 1622; 985pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          4203 GTGGGACATGGAGACTGGT 4221
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  Crosby SD, Nalseth AE
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                                         WPI; 2004-035034/03
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ADH64940/
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cardiovascular disorders, hyperlipidaemia or Cushing's syndrome. The present DNA sequence represents an antisense oligonucleotide that targets the human glucocorticoid receptor gene. NOTE: The present sequence contains 2'-methoxyethyl (2'-MOE) wings and a phosphorothioate backbone.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                human; ss; VEGF-C; cardiovascular disorder; atherosclerosis; diabetic retinopathy; autoimmune disorder; inflammatory disorder; vascular endothelial growth factor; antisense.
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89.5%; Pred. No. 3.3e+02;
rative 0; Mismatches 2; Indels
                                                                                                                                                                                                                                0.3%; Score 15.8; DB 1; Length 20; 89.5%; Pred. No. 3.3e+02; tive 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Human VEGF-C antisense oligonucleotide ISIS 158106
                                                                                                                                                                  Sequence 20 BP; 3 A; 10 C; 2 G; 5 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 20 BP; 3 A; 4 C; 5 G; 8 T; 0 U; 0 Other;
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                                                                                                                                                                                                                                                                                                                                                                       4203 GTGGGACATGGAGACTGGT 4221
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Best Local Similarity
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Best Local Similarity
Matches 17; Conserv
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20 AACAGTCCAAAATAATAAA 2
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                                                                                                                      modified base
                               Homo sapiens
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                                            Synthetic.
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                                                                                                                                                                                                                                                                                                                                                                                                                             The invention relates to a compound targeted to and which specifically hybridises with a nucleic acid molecule encoding VEGF-C, and inhibits the expression of VEGF-C. The compound, composition and methods are useful for treating a disease or condition associated with VEGF-C, such as a cardiovascular disorder e.g. atherosclerosis or diabetic retinopathy or an autoimmune or inflammatory disorder. They are also useful in research and diagnostics for modulating the expression of VEGF-C. The present sequence represents a human VEGF-C target region.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    phosphorothicate; 2' MOE; breasť cancer; dyslipidaemia; atherosclerosis; low HDL; high density lipoprotein; high LDL; hypercholesterolaemia; gall stone; triglyceridaemia; obesity; hepatitis; hepatics arcinoma; aromatase; cytostatic; antilipaemic;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Antisense DNA oligo used to modulate human LRH1 expression SeqID 1640.
                                                                                                                                                                                                                                                                                                                                                   New compounds, particularly antisense oligonucleotides targeted to a nucleic acid encoding vascular endothelial growth factor-C (VEGF-C), useful for treating atherosclerosis, diabetic retinopathy, or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
                                                                                                                  human; 89; VEGF-C; cardiovascular disorder; atherosclerosis; diabetic retinopathy; autoimmune disorder; inflammatory disorder; vascular endothelial growth factor.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            human; 88; liver related homologue-1; LRH1; NR5A2; antisense;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
0.3%; Score 15.8; DB 1; Length 20;
Best Local Similarity 89.5%; Pred. No. 3.3e+02;
Matches 17; Conservative 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 20 BP; 8 A; 5 C; 4 G; 3 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                          Example 15; SEQ ID NO 89; 83pp; English.
                                                                                                  Human VEGF-C target region ISIS 73607.
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                               ADH54788 standard; DNA; 20 BP.
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                                                                            (first entry)
                                                                                                                                                                                                                                                                                  (ISIS-) ISIS PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                      inflammatory disorders
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                                                                                                                                                                     Homo sapiens.
                                                                            25-MAR-2004
                                                                                                                                                                                                                18-DEC-2003
                                                                                                                                                                                                                                                                                                        Zhang H,
                                                     ADH54788;
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          RESULT 478
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ADJ17090/
                      ADH54788
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This invention relates to novel antisense compounds useful for modulating the expression of liver related homologue-1 (LRH1) and splice variants thereof. Specifically, it refers to compositions 8-30 nucleobases in length that target a portion of an active site on the nucleic acid collength that target a portion of an active site on the nucleic acid collength that target a portion of an active site on the nucleic acid collength that target a portion of an active site on the nucleic acid collength actor. The present invention describes antisense collegonate a phosphorothicate linkage; at least one modified internucleoside collegonately linkage; at least one modified nucleobase, a 5-comethoyacthyl (2' MOE) and at least one modified nucleobase, a 5-comethylcytidine. These antisense compounds are useful for treating or diagnosing a disease associated with LRH1, such as breast cancer, collegonate, atheroscalerosis, low HDL (high density lipoprotein), high CLD (low density lipoprotein), hypercholesterolaemia, gall stones, collegonated activity, Accordingly, these compositions exhibit corrections and virucidal activities and virucidal activities and virucidal activities. This collegonated and virucidal activities and virucidal activities.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             New antisense oligonucleotides targeted to a nucleic acid encoding liver related homologue-1 (LRH1), useful for treating breast cancer, dyslipidemia, atherosclerosis, hypercholesterolemia, or hepatitis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                /mod_base= OTHER /nethoxyethyl (2' MOE) nucleotides. All cytidine nucleobases are 5-methylcytidine."
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/note= "OTHER= 2' methoxyethyl (2' MOB) nucleotides. All
cytidine nucleobases are 5-methylcytidine."
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antiarteriosclerotic; anorectic; hepatotropic; litholytic; antiinflammatory; virucidal.
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Pred. No. 3.3e+02;
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                                                                                                                                                                                                               cocation/Qualifiers
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Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    New antisense oligonucleotides targeted to a nucleic acid encoding liver related homologue-1 (LRH1), useful for treating breast cancer, dyslipidemia, atherosclerosis, hypercholesterolemia, or hepatitis.
                                                                                                                                                                                                                                           phosphorothioate, 2' MOE; breast cancer; dyslipidaemia; atherosclerosis; low HDL; high density lipoprotein; high LDL; hypercholesterolaemia; gall stone; triglyceridaemia; obesity; hepatitis;
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                                                                                                                                                                                      Antisense DNA oligo used to modulate human LRH1 expression SeqID 692.
                                                                                                                                                                                                                                                                                                hepatocellular carcinoma; aromatass; cytostatic; antilipaemic; antiarteriosclerotic; anorectic; hepatotropic; litholytic; antiinflammatory; virucidal.
                                                                                                                                                                                                                           88; liver related homologue-1; LRH1; NR5A2; antisense;
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/label= OTHER= phosphorothioate backbone
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/note= "OTHER= 2'
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                                                                        ADJ16142 standard; DNA; 20 BP
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triglyceridaemia, obesity, hepatitis B virus-mediated acute or chronic hepatitis, as well as hepatocellular carcinoma or a condition associated with aromatase activity. Accordingly, these compositions exhibit cytostatic, antilipaemic, antiarciosclarotic, anorectic, hepatotropic, litholytic, antiliflammatory and virucidal activities. This oligonucleotide sequence is an antisense DNA oligo used to modulate the expression of the human LRHI protein of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    /note= "This oligonuclectide has a phosphorothioate backbone and 2-'methyoxyethyl (2'-MOE) wings at the 5' and 3' ends, which are 4 nucleotides in length. Also all
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Antilipaemic, Cardiovascular, Analgesic; Antianginal; Antisense therapy; Human; Endothelial Lipase; dyslipidaemia; high density lipoprotein; HDL; cardiovascular disorder; metabolic syndrome X; ss.
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Pred. No. 3.3e+02;
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Synthetic.
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/note= "This oligonucleotide has a phosphorothioate
backbone and 2-'methyoxyethyl (2'-MOE) wings at the 5'
and 3' ends, which are 4 nucleotides in length. Also all
cytidine residues are 5-methylcytidines"
                                                                                                                                                                                                                                                                                                                                                                                                                                                             Antilipaemic, Cardiovascular, Analgesic, Antianginal, Antisense therapy, Human, Endothelial Lipase, dyslipidaemia, high density lipoprotein, HDL, cardiovascular disorder, metabolic syndrome X; ss.
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                                                                                                                     Gaps
used for diagnostics, prophylaxis, or as research reagents or kits.
                                                                                                                                                                                                                                                                                                                                                                                                                          Human endothelial lipase antisense oligonucleotide, SEQ ID 1051.
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                                                                           0.3%; Score 15.8; DB 1; Length 20;
89.5%; Pred. No. 3.3e+02;
tive 0; Mismatches 2; Indels
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89.5%; Pred. No. 3.3e+02;
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                                     Sequence 20 BP; 6 A; 4 C; 5 G; 5 T; 0 U; 0 Other;
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                                                                                                                                                          984 ACACAAATCTGGAGTTCGT 1002
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                                                      Duery Match
Best Local Similarity 89.55,
Best Local 17, Conservative
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Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               New antisense compound targeted to a nucleic acid molecule encoding Nav1.3, useful for useful for treating a disease or condition associated with Nav1.3, e.g. pain, seizure disorder such as childhood seizure disorder, or ataxia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Navl.3; Analgesic; Nootropic; Neuroprotective; post-herpetic neuralgia;
diabetic neuropathy; arthritic pain; migraine headache;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Сарв
                                                                                                                                                                                                                                                                                                                                                                                                                                    Chimeric phosphorothioate oligonucleotide to target Navl.3 #8857.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Claim 4; SEQ ID NO 8857; 417pp; English.
983 CACACAAATCTGGAGTTCG 1001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            5025 AAAAAAAAAAAAAAAA 5043
                                                               2 cacacaarcregacries 20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         infantile epilepsy; ataxia; ss
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       BP.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                14-AUG-2003; 2003WO-US025465
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               2 AAAAAACAAAAAAA
                                                                                                                                                                                                                                ADK81523 standard; DNA; 20
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                                                                                                                                                                                                                                                                                                                                                                 20-MAY-2004 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (PHAA ) PHARMACIA CORP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WPI; 2004-203785/19.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Roberds SL;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Synthetic.
                                                                                                                                                                                                                                                                                                      ADK81523;
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ADK80970
ID ADK8097
                                                                                                                                                                    RESULT 483
                                                                                                                                                                                             ADK81523
ID ADKE
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angiogenic disorder; immunological disorder; cardiovascular disorder; neurological disorder; antisense technology; ss.
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                                                                                                                                                                                                                                                                                                                                                        19-AUG-2002; 2002US-0404495P.
                                                                                                                                                                                                                                                                                                                             19-AUG-2003; 2003WO-US025833
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/*tag= a
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ADL59601 standard; DNA; 20
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                                                                                                                                                                                                                                                                                                                                                                                                                                       WPI; 2004-248358/23.
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                                                                         Key
modified base
                                                                                                                                                                                                                                                                                                                                                                                                           Weinstein EJ,
                                                                                                                                                       nodified base
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                                                 Homo sapiens
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       disorder.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
                                                                                                                                                                                                                                                                                                                                                            New antisense compound targeted to a nucleic acid molecule encoding Nav1.3, useful for useful for treating a disease or condition associated with Nav1.3, e.g. pain, seizure disorder such as childhood seizure disorder, or ataxia.
                                                                                        Nav1.3; Analgesic; Nootropic; Neuroprotective; post-herpetic neuralgia; diabetic neuropathy; arthritic pain; migraine headache; infantile epilepsy; ataxia; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      cytostatic, antidiabetic; immunomodulator; cardiant; neuroprotective;
gene therapy; endothelial specific molecule-1, ESM-1;
ESM-1 related disorder; diabetes; cancer; ischaemia; reperfusion injury;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
                                                              Chimeric phosphorothioate oligonucleotide to target Nav1.3 #8304.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 20 BP; 16 A; 4 C; 0 G; 0 T; 0 U; 0 Other;
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                                                                                                                                                                                                                                                                                                                                                                                                                             Claim 4; SEQ ID NO 8304; 417pp; English.
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                                                                                                                                                                                                                          14-AUG-2003; 2003WO-US025465
                                       (first entry)
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                                                                                                                                                                                                                                                                               (PHAA ) PHARMACIA CORP
                                                                                                                                                                                                                                                                                                                                    WPI; 2004-203785/19.
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Best Local Similarity
Matches 17; Conserv
                                                                                                                                                                      WO2004016754-A2.
                                       20-MAY-2004
                                                                                                                                                                                                26-FEB-2004
                                                                                                                                                                                                                                                                                                          Roberds SL;
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                                                                                                                                              Synthetic.
            ADK80970;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                New antisense compound, having a sequence targeted to a nucleic acid encoding endothelial specific molecule-1 (ESM-1), useful for preparing a composition for treating e.g., diabetes, cancer or cardiovascular
                                                          /*tag= b
/mod base= OTHER
/note= "OTHER= phosphorothioate backbone. All cytidine
residues are 5-methylcytidines"
                                                                                                                                                                                                                                                           /mod_base= OTHER
/note= "OTHER= 2'-methoxyethyl (2'-MOE) nucleotides"
16. .20
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/mod_base= OTHER
/note= "OTHER= 2'-methoxyethyl (2'-MOB) nucleotides"
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Pred. No. 3.3e+02;
0; Mismatches 2; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Claim 3; SEQ ID NO 1964; 555pp; English.
Location/Qualifiers
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cytostatic; antidiabetic; immunomodulator; cardiant; neuroprotective; gene therapy; endothelial specific molecule-1; ESM-1; ESM-1; ESM-1 related disorder; diabetes; cancer; lschaemia; reperfusion injury; anglogenic disorder; immunological disorder; cardiovascular disorder; neurological disorder; set

Human ESM-1 antisense oligonucleotide segid 1625.

(first entry)

03-JUN-2004

/mod_base= OTHER /note= "OTHER= phosphorothioate backbone. All cytidine residues are 5-methylcytidines"

Location/Qualifiers

Key modified_base

Homo sapiens

Ω

"OTHER= 2'-methoxyethyl (2'-MOE) nucleotides"

/mod_base= OTHER /note= "OTHER= 2' 16. .20

1. .5 /*tag= a

modified base

-methoxyethyl (2'-MOE) nucleotides"

/mod_base= OTHER /note= "OTHER= 2'

WO2004021978-A2

18-MAR-2004.

/*tag= c

modified base

L9-AUG-2003; 2003WO-US025833. 19-AUG-2002; 2002US-0404495P

Griggs DW;

Weinstein EJ,

WPI; 2004-248358/23.

disorder.

(PHAA) PHARMACIA CORP.

gibbs-10-667-022-4.rng

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The invention describes a new antisense compound, having a sequence comprising 8-30 bp targeted to a nucleic acid encoding endothelial specific molecule-1 (ESM-1), that specifically hybridises with the nucleic acid ESM-1 and inhibits its expression. Also described are: a composition; inhibiting the expression of ESM-1 in cells or tissues; and treating an enimal having a disease or condition associated with ESM-1. The compound is useful for preparing a composition for treating diabetes, cancer, ischaemia or reperfusion injury, or angiogenic, immunological, cardiovascular or neurological diabetes, antisense oligonucleotide that can be used to modulate expressine an endothelial specific molecule-1 (ESM-1).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       New antisense compound, having a sequence targeted to a nucleic acid encoding endothelial specific molecule-1 (ESM-1), useful for preparing a composition for treating e.g., diabetes, cancer or cardiovascular
                               gene therapy; endothelial specific molecule-1; ESM-1; ESM-1; and service disorder; diabetes; cancer; ischaemia; reperfusion injury; angiogenic disorder; immunological disorder; cardiovascular disorder; neurological disorder; antisense technology; ss.
                                                                                                                                                                                                              /note= "OTHER= phosphorothioate backbone. All cytidine residues are 5-methylcytidines"
                    neuroprotective;
                                                                                                                                                                                                                                                                  /*tag= a
/mod_base= OTHER
/note= "OTHER= 2'-methoxyethyl (2'-MOE) nucleotides"
                                                                                                                                                                                                                                                                                                                                                    /mod_base= OTHER
/note= "OTHER= 2'-methoxyethyl (2'-MOE) nucleotides"
                   cardiant;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 20 BP; 7 A; 5 C; 0 G; 8 T; 0 U; 0 Other;
               cytostatic; antidiabetic; immunomodulator;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Claim 3; SEQ ID NO 1850; 555pp; English.
                                                                                                                                                 Location/Qualifiers
                                                                                                                                                                                                  /mod_base= OTHER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        19-AUG-2002; 2002US-0404495P.
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modified_base
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comprising 8-30 bp targeted to a nucleic acid encoding endothelial specific molecule-1 (ESM-1), that specifically hybridiess with the nucleic acid ESM-1 and inhibits its expression. Also described are: a composition; inhibiting the expression of ESM-1 in cells or tissues; and treating an animal having a disease or condition associated with ESM-1. The compound is useful for preparing a composition for treating diabetee cancer, ischaemia or reperfusion injury, or angiogenic, immunological, candiovascular or neurological disorder. This sequence represents an antisense oligonucleotide that can be used to modulate expression of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gape
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        // Match 0.3%; Score 15.8; DB 1; Length 20;
Local Similarity 89.5%; Pred. No. 3.3e+02;
hes 17; Conservative 0; Mismatches 2; Indels
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Matches
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New antisense compound, having a sequence targeted to a nucleic acid encoding endothelial specific molecule-1 (ESM-1), useful for preparing a composition for treating e.g., diabetes, cancer or cardiovascular

20 GGTATGAAATAAGTTTTT

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Gaps

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2; Indels

0; Mismatches

4355 TGAAATAAGGTTTTGGGA 4373

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ADL59376 standard; DNA; 20 BP.

RESULT 487
ADLS9376/c
ID ADLS93.
XX
AC ADLS93

ADL59376

0.3%; Score 15.8; DB 1; Length 20; 89.5%; Pred. No. 3.3e+02;

Query Match
Best Local Similarity 89.5
Matches 17; Conservative

RESULT 488

BP.

(first entry)

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Use of at least one osmolyte to heat stabilize at least one enzyme, e.g. luciferase or apyrase, which is used in an in-vitro bioluminometric assay during the enzymatic reaction.
                                                                                                                                                                                                                                     Osmolyte-stabilised bioliuminometric assay resultant sequence.
                                                                                                                                                                                                                                                                            ss; osmolyte; heat stability; in-vitro bioluminometric assay;
                                                                                                                                                                                                                                                                                                          enzymatic reaction; Pyrosequencing
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19 AGGTATGAAAATAAGTTTT 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               21-OCT-2002; 2002SE-00003089.
21-OCT-2002; 2002US-0319635P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      21-OCT-2003; 2003WO-SE001627.
                                                                                                            ADN35886 standard; DNA; 20
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                                                                                                                                                                                                                                                                                                                                                         Synthetic.
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                                                                                                                                                           ADN35886;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Nyren P;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RESULT 490
ADO53504/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Matches
                                                                RESULT 48:
ADN35886/4
                                                                                                               임
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              The invention describes a new antisense compound, having a sequence comprising 8-30 bp targeted to a nucleic acid encoding endothelial specific molecule. (ESM-1), that specifically hybridises with the nucleic acid ESM-1 and inhibits its expression. Also described are: a composition; inhibiting the expression of ESM-1 in cells or tissues; and treating an animal having a disease or condition associated with ESM-1. The compound is useful for preparing a composition for treating diabetes, cancer, ischaemia or reperfusion injury, or anglogenic, immunological, earlievascular or neurological disorder. This sequence represents an antisense oligonucleotide that can be used to modulate expression of endothelial specific molecule-1 (ESM-1).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            New antisense compound, having a sequence targeted to a nucleic acid encoding endothelial specific molecule-1 (ESM-1), useful for preparing a composition for treating e.g., diabetes, cancer or cardiovascular
                                                                                                                                                                                                  cytostatic; antidiabetic; immunomodulator; cardiant; neuroprotective; gene therapy; endothelial specific molecule-1; ESM-1; ESM-1; stated disorder; diabetes; cancer; ischaemia; reperfusion injury; angiogenic disorder; immunological disorder; cardiovascular disorder; neurological disorder; se.
                                                                                                                                                                                                                                                                                                                                                                                                                                                /mod_base= OTHER
/note= "OTHER= phosphorothioate backbone. All cytidine
residues are 5-methylcytidines"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
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/mod_base= OTHER
/note= "OTHER= 2'-methoxyethyl (2'-MOE) nucleotides"
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0.3%; Score 15.8; DB 1; Length 20;
Best Local Similarity 89.5%; Pred. No. 3.3e+02;
Matches 17; Conservative 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 20 BP; 7 A; 4 C; 0 G; 9 T; 0 U; 0 Other;
                                                                                                                                                               Human ESM-1 antisense oligonucleotide segid 1507.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Claim 3; SEQ ID NO 1507; 555pp; English.
                                                                                                                                                                                                                                                                                                                                                                                       Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  /mod_base= OTHER
                                     ВР
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        19-AUG-2002; 2002US-0404495P.
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                                  ADL59258 standard; DNA; 20
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                                                                                                                        (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Weinstein EJ, Griggs DW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              16. .20
                                                                                                                                                                                                                                                                                                                                                                                                                . .20
*tag=
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           /note=
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                                                                                                                                                                                                                                                                                                                                                                                              Key
modified base
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             modified base
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              modified_base
                                                                                                                                                                                                                                                                                                                                                    Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    18-MAR-2004
                                                                                                                          03-JUN-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           disorder.
                                                                                 ADL59258;
           ADLS9288/C
XX
ADLS92
ADLS92
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ADLS92
ADLS9
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The invention relates to the use of at least one osmolyte to heat stabilize at least one enzyme that is used in an in-vitro bioluminometric assay during the enzymatic reaction. The osmolyte is useful to heat stabilize at least one enzyme that is used in an in-vitro bioluminometric assay during the enzymatic reaction. The use of osmolytes are increases the speed and quality of DNA sequencing using Pyrosequencing (RTM) technology. This sequence represents the resultant DNA sequence obtained using the method of the invention for Pyrosequencing (RTM).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Farnesoid X receptor gene expression antisense inhibitory oligo #877.
                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ss; antidiabetic; immunosuppressive; cardiovascular; antilipemic; antiarteriosclerotic; heparotropic; litholytic; anorectic; neuroprotective; vasotropic; antisense; gene therapy; Farnesoid X receptor; diabetes; immunological disorder;
                                                                                                                                                                                                                                                                                                                                                                                                                                                         ;
0
                                                                                                                                                                                                                                                                                                                                                                                  0.3%; Score 15.8; DB 1; Length 20;
89.5%; Pred. No. 3.3e+02;
ative 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                  Sequence 20 BP; 5 A; 5 C; 5 G; 5 T; 0 U; 0 Other;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                    17; Conservative
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Best Local Similarity
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4350 AGATATGAAAATAAGGTTT 4368

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Key
modified_base
         Homo sapiens.
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                                                                                                   15-APR-2004
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                                                                                                                                                                                                                                                                                   Kane CD;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              RESULT 492
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       XX AX 
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       The invention relates to an antisense compound 8-30 nucleobases in length where the antisense compound specifically hybridizes with and inhibits the antisense compound specifically hybridizes with and inhibits the expression of FXR. The composition and methods are useful for inhibiting the expression of FXR (Farnesoid X receptor) in cells or tissues, or for treating diseases or conditions associated with FXR, such as diabetes, immunological disorders, cardiovascular disorders, e.g. dyslipidemia and its symptoms, atherosclerosis, low HDL (high density lipoprotein), elevated LDL (low density lipoprotein) or hypercholesterolemia, gallstones, hypertriglyceridemia, obesity, neurological disorders, or ischemia/reperfusion injury. In addition, the composition is used for disquasciers, prophylaxis, or as research reagents of exter. This sequence corresponds to an antisense oligonucleotide of the
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cardiovascular disorder; dyslipidemia; atherosclerosis;
high density lipoprotein; low density lipoprotein; hypercholesterolemia;
gallstones; hypertriglyceridemia; obesity; neurological disorder;
ischemia; reperfusion; diagnostics; prophylaxis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       se; antidiabetic; immunosuppressive; cardiovascular; antilipemic; antiatteriosclerotic; hepatotropic; litholytic; anorectic; neuroprotective; vasotropic; antisense; gene therapy; Farnesoid X receptor; diabetes; immunological disorder; cardiovascular disorder; dyslipidemia; atherosclerosis; high density lipoprotein; low density lipoprotein; hypertoisproricien; low density lipoprotein; hypertoisproridemia; obesity; neurological disorder; ischemia; reperfusion; diagnostics; prophylaxis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            New antisense oligonucleotides useful for modulating expression of Farnesoid X Receptor (FXR) or for treating diseases associated with FXR, e.g. diabetes, immunological disorders, cardiovascular disorders,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gape
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0.3%; Score 15.8; DB 1; Length 20; 89.5%; Pred. No. 3.3e+02; ive 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 20 BP; 2 A; 5 C; 4 G; 9 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Claim 4; SEQ ID NO 877; 150pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         3477 GGAGAGTAAACCACCACCA 3495
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GGAGAGTAAACGACCACAA 1
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                                                                                                                                                                                                                                                           25-SEP-2003; 2003WO-US030353.
                                                                                                                                                                                                                                                                                                       25-SEP-2002; 2002US-0413588P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADO53202 standard; DNA; 20
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                                                                                                                                                                                                                                                                                                                                                (PHAA ) PHARMACIA CORP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  gallstones or obesity
                                                                                                                                                                                                                                                                                                                                                                                                                                              WPI; 2004-347928/32.
                                                                                                                                                               WO2004030750-A1
                                                                                                                    Homo sapiens
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      invention.
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Best Local S
                                                                                                                                                                                                                                                                                                                                                                                                   Kane CD
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              New antisense oligonucleotides useful for modulating expression of Sarnesola K Receptor (FXR) or for treating diseases associated with FXR, e.g. diabetes, immunological disorders, cardiovascular disorders, gallstones or obesity.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                /mod_base= OTHER
/note= "OTHER= Phosphorothioate backbone. All cytidines
are 5-methylcytidines"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gapa
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Pred. No. 3.38+02;
0; Mismatches 2; Indels
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                                                                                                                                                  25-SEP-2003; 2003WO-US030353
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Best Local Similarity 89.5%;
Matches 17; Conservative
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/*tag=
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WO2004030750-A1
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KR2004008012-A.
                         28-JAN-2004
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                                                                                                                                                                                                                                                                                                                                      The invention describes a compound targeted to a nucleic acid molecule encoding endothelial differentiation gene 2. The compound, 8-80 nucleobases in length, is targeted to a nucleic acid molecule encoding cand chelial differentiation gene 2, where the compound specifically computed is a differentiation gene 2 where the compound specifically differentiation gene 2 comprising a sequence of 1576 bp (SEQ ID NO: 4) and inhibits the expression of endothelial differentiation gene 2 in method of inhibiting the expression of the endothelial differentiation gene 2; a diagnostic method for identifying a disease state; a kit or assay device comprising the compound; and treating an animal having a disease or condition associated with endothelial differentiation gene 2; compound so that expression of with endothelial differentiation gene 2 is inhibited. The compound and intracting an animal having a disease or condition, in treating an animal having a disease or condition, i.e. hyperproliferative disorder. This sequence represents a human condition dend thelial differentiation gene 2 antisense oligonucleotide.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   coding mononucleotide repeat; cMNR; antibody; MSI-H tumour;
MSI-H carcinoma; high microsatellite instability tumour;
high microsatellite instability carcinoma; cytostatic; PCR; primer; ss.
                                                                                                                                                                                                                                                                compound that modulates endothelial differentiation gene 2 ression, useful in treating an animal having a disease or condition,
                                                            /note= "OTHER= 2'-0-Methoxyethyl (2'-MOE) nucleotides"
   mod base= OTHER
/note= "OTHER= 2'-O-Methoxyethyl (2'-MOE) nucleotides"
15. .20
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Pred. No. 3.3e+02;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 20 BP; 9 A; 2 C; 3 G; 6 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Ouery Match
0.3%; Score 15.8; Di
Best Local Similarity 89.5%; Pred. No. 3.3e-
Matches 17; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                     Example 15; SEQ ID NO 71; 121pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 4926 ATTTTGTATTGAAAAGAT 4944
                                                                                                                                                                                                                                                                                            i.e. hyperproliferative disorder.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 ATTTTGCAATGAAAAGAT 19
                                                      base= OTHER
                                                                                                                                                                                                                    Dobie KW
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADQ59323 standard; DNA; 20 BP.
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                                                                                                                                          13-NOV-2002; 2002US-00292337.
                                                                                                                                                                    13-NOV-2002; 2002US-00292337.
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                                            U
                                            /*tag=
                                                                                                                                                                                            (ISIS-) ISIS PHARM INC
                                                                                                                                                                                                                     Dean NM,
                                                       pom/
                                                                                                                                                                                                                                             WPI; 2004-374980/35.
                                                                                                                                                                                                                                                                                 expression, useful
                                                                                             US2004092462-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Homo sapiens.
Synthetic.
                               modified_base
                                                                                                                                                                                                                      Bennett CF,
                                                                                                                   13-MAY-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADQ59323;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RESULT 493
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The present invention describes genes containing coding mononucleotide repeats (CMNRB). The genes are useful for the development of an antibody gainst MSI-H (hugh microsatallite instability) tumour. Also described: (1) cDNA genes containing cMNRs with 10 or more nucleotide sequences, and selected from the cDNA genes having the nucleotide sequences of SEQ ID ST, 39, 41 and 43; (2) cDNA genes, which are framebalif mutated by the containing cMNRs with 10 or more nucleotide sequences of SEQ ID CO NOS:1, 3, 4, and 43; (2) cDNA genes, which are framebalif mutated by the genes containing cMNRs with 10 or more nucleotide sequences of SEQ ID CO NOS:2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 34, 36, 38, 40, 42 and 44; and (4) genomic DNA genes, which are frameshift to mutated by deletion or insertion of one or more base in the cMNRs. The containing cMNRs with 16, 18, 20, 22, 24, 26, 28, 30, 32, 34, 36, 38, 40, 42 and 44; and (4) genomic DNA genes, which are frameshift to compare the present sequence represents a PCR primer which is used in an example from the present invention.
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                                                                                                                                                                                                                                                                                                                                                                                                    Genes containing coding mononuclectide repeats are useful in developing an antibody against MSI-H (hugh (sic high) microsatellite instability)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0.3%; Score 15.8; DB 1; Length 20; 99.5%; Pred. No. 3.3e+02; ve 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 20 BP; 10 A; 1 C; 7 G; 2 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                         HS;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Example 3; Page 9; 578pp; Korean.
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15-JUL-2002; 2002KR-00041304.
                                                            15-JUL-2002; 2002KR-00041304.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   89.5%;
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                                                                                                                                                                                                                                                                                         Lee JS,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 0.3
Best Local Similarity 89.5
Matches 17; Conservative
                                                                                                                                                                                                                                                                                                                                                     WPI; 2004-386326/36.
                                                                                                                        KIM H G.
KIM N G.
LEE J S.
                                                                                                                                                                                                                                                                                         Kim HG, Kim NG,
                                                                                                                                                                                                                         RHEE H S.
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                                                                                                                                                                                           (LEEJ/)
(RHEE/)
                                                                                                                                  KIMH/)
                                                                                                                                                             KIMN/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        tumor.
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ADQ14094
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(IGAK-) IGAKU SEIBUTSUGAKU KENKYUSHO KK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Synthetic.
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                                                                                                                                                                                                                                                                                                                                                                                                                                RESULT 496
   4X4X44X8X8X88888
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                                                                                                                                                                                                                                             The present invention relates to a single Condition Amplification/
Internal Primer (SCAIP) sequencing method for direct sequence analysis of
Internal Primer (SCAIP) sequencing method for direct sequence analysis of
In multi-exon genes from genomic DNA samples and identifying mutations
in multi-exon genes e.g. the dystrophin gene, CAPN3 gene and DYSF gene.
Whitations in the dystrophin gene, CAPN3 gene and DYSF gene.
Whitations in the dystrophy (BMD). Mutations in the
CAPN3 gene, encoding calpain (calcium-activated neutral protease) result
in limb-girdle muscular dystrophy type 2A (LGMDZA) and mutations in the
DYSF gene, encoding dysferlin, result in limb-girdle muscular dystrophy
CC type 2B (LGMDZB). The method comprises bringing into contact in each of
the reaction chambers an amplicon from a different one of the
amplification reactions and one or more internal sequencing primers
corresponding to the amplicon and analysing the sequences of the
amplifications The method allows for the rapid, accurate, and economical
analysis of any large multi-exon gene. The method is useful in detecting
genetic mutations in any large multi-exon gene. It is also useful for the
including deletions, point mutations, or its combinations, gene complexes
with multiple exons/introns apanning large genomic regions. The present
ce sequence is a PCR primer, used in the method of the invention.
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                                                                                                                                      genetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              5' PCR primer for constant reion of anti-Fas antibody heavy chain.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Variable region; heavy chain; anti-Fas antibody; human; mouse; immunoglobulin G; IgG; light chain; treatment; diagnosis; autoimmune disease; PCR primer; 88.
                                                                                                                                   Characterizing a nucleic acid region, useful for detecting ger mutations in any large multi-exon gene e.g., those indicating dystrophinopathy, comprises using a Single Condition Amplification/Internal Primer (SCAIP) sequencing method.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0.3%; Score 15.8; DB 1; Length 20; 89.5%; Pred. No. 3.3e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        2; Indels
                                                                   Von Niederhausern A;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 20 BP; 6 A; 2 C; 9 G; 3 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0; Mismatches
                                                                                                                                                                                                                        Example 9; Page 45; 174pp; English.
                                                                 Weiss RB, Dunn DM,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        4190 ACGAAGTCTCCATGTGGGA 4208
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AGGAAGAGTCCATGTGGGA 20
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17-DEC-2002; 2002US-0433774P.
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96JP-00268737,
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                               (UTAH ) UNIV UTAH RES FOUND.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Local Similarity 89.5
les 17; Conservative
                                                                                                   WPI; 2004-525893/50
                                                                 Planigan KM,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Synthetic.
Homo sapiens
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
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                                                                                                                                          PCR primers AAV37276-77 are used to amplify the constant region of the heavy chain of human immunoglobulin G (IgG). The PCR product is used to create an anti-Fes antibody. The anti-Fes antibody can be used for the treatment and diagnosis of autoimmune diseases
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1-aminocyclopropane-1-carboxylic acid synthase; ACS; EFE; banana; ethylene forming enzyme; ethylene biosynthesis; plant; fruit ripening; transgenic; enzyme; inhibition; flavour; texture; PCR primer; ss.
                                                                                                                                                                                                                                                                                                                                    Gaps
                                           DNA encoding, e.g. variable region of anti-Fas antibody - useful for, e.g. diagnosis and treatment of auto-immune diseases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Novel isolated cDNA molecules ((pASC6) and (pACOS7)) encoding 1-aminocyclopropane-1-carboxylic acid synthase (ACS) and an ethylene forming enzyme (EFE) - useful for modifying fruit ripening
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                                                                                                                                                                                                                                                                                           Score 15.8; DB 1; Length 21; Pred. No. 3.3e+02;
                                                                                                                                                                                                                                                                                                                                    2; Indels
                                                                                                                                                                                                                                                    Sequence 21 BP; 4 A; 10 C; 5 G; 2 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Banana EFE gene fragment amplifying 5' primer.
                                                                                                                                                                                                                                                                                                                                    0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              characteristics, especially in bananas.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Example 2; Col 7-8; 22pp; English.
                                                                                                       Example 3; Page 7; 16pp; Japanese.
                                                                                                                                                                                                                                                                                                                                                                             366 CCTCCACCAACAGCCCATC 384
                                                                                                                                                                                                                                                                                                                                                                                                                    2 cerceaceaeceare 20
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                                                                                                                                                                                                                                                                                         0.3%;
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ID AAX27520 standard; DNA; 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            26-MAY-1999 (first entry)
                                                                                                                                                                                                                                                                                           Query Match 0.3
Best Local Similarity 89.5
Matches 17; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WPI; 1999-228611/19.
WPI; 1998-406105/35.
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AAZ65654 to AAZ69578 represent human biallelic markers from the present invention, which contain a polymorphic base at position 24 of their mucleotide sequences. AAZ6579 to AAZ740 represent amplification primers for the biallelic markers. The biallelic markers of the invention have a variety of uses: they can be used for high density mapping of the human genome, and in complex association studies and haplotyping of the which are useful in determining the genetic basis for disease states. Compositions and methods of the invention can also be useful for the identification of the targets for the development of pharmaceutical agents and diagnostic methods, as well as the characterisation of the discalous responses to and side effects from
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orientation, and transcribe mRNA that encodes an active enzyme, the rate of ripening will be increased (up-regulation) (however, full-length sense constructs can also be used to inhibit enzyme expression by coninhibition). If genes encode antisense mRNA, they will inhibit the expression of the genes involved in fruit ripening and hence slow the process down (down-regulation). In this manner different spatial and temporal patterns of genes expression can be produced. Retardation of the zete of ripening will reduce the rate of deterioration of banana fruit after harvest. This helps in production of high quality fruit that has improved flavour and texture. Sequences AAX27517-531 represent primers based on sequences conserved between 6 species, for PCR amplification of EFE gene fragments from bananas
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Novel biallelic markers used to construct a high density disequilibrium map of the human genome.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Human biallelic marker downstream amplification primer SEQ ID NO:8727.
                                                                                                                                                                                                                                                                                                                                                     Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Human genome; biallelic marker; high density disequilibrium map; genomic map; haplotype; phenotype; polymorphic base; genotyping; haplotyping; hybridisation; identification; characterisation; amplification; single nucleotide polymorphism; SNP; PCR primer;
                                                                                                                                                                                                                                                                                                                                                       ·;
                                                                                                                                                                                                                                                                                                             0.3%; Score 15.8; DB 1; Length 21; 89.5%; Pred. No. 3.3e+02; vative 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                         Seguence 21 BP; 4 A; 6 C; 6 G; 5 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Chumakov I;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Claim 8; Page 2091; 2745pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                  2880 GAAGAAGTIGCICICACAG 2898
                                                                                                                                                                                                                                                                                                                                                                                                                           21 GAAGAAGGTGCTCTCCCAG 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAZ74371 standard; DNA; 21 BP
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98US-0109732P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (first entry)
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Best Local Similarity 89.5
Matches 17; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WPI; 2000-013267/01.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           diagnosis; ss
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 497
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pharmaceutical agents acting on a disease as well as other treatment. N.B. The SEQ ID NOs 2852, 2913, 2974, 3035, 3096, 3157, 3227, 3297 and 3367, are not actually given a sequence in the Sequence Listing from the present invention
                                                                                                                                                                                                                                                                                                                                                                                                                                vulnerary; dermatological; skin disorder; wound healing;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Use of novel polypeptide or its variant or nucleic acid encoding the polypeptide for diagnosing and/or preventing and/or treating skin disorders and/or treatment in wound healing or for identifying active
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                                                                                                                                                     Gaps
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89.5%; Pred. No. 3.3e+02;
tive 0; Mismatches 2; Indels
                                                                                                               Score 15.8; DB 1; Length 21;
Pred. No. 3.3e+02;
0; Mismatches 2; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 21 BP; 3 A; 6 C; 4 G; 8 T; 0 U; 0 Other;
                                                                                      Seguence 21 BP; 5 A; 6 C; 2 G; 8 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Goppelt A, Werner S,
                                                                                                                                                                                                                                                                                                                                                                                                 Wound healing related PCR primer SEQ ID NO 66.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Example 2; Page 53; 265pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             3258 CATTIGIGECCTTIGICA 3276
                                                                                                                                                                                      4736 TTTTCAAAATTATGTCTCC 4754
                                                                                                                                                                                                                     3 rrrrcaaaargargrccc 21
                                                                                                                                                                                                                                                                                                       BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 17-NOV-1999; 99DE-01055349.
17-DEC-1999; 99US-0172511P.
20-JUN-2000; 2000DE-01030149.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    16-NOV-2000; 2000CA-02325226.
                                                                                                                                                                                                                                                                                                                                                                                                                                                      gene therapy; PCR primer; BS
                                                                                                                      Query Match 0.3%;
Best Local Similarity 89.5%;
Matches 17; Conservative
                                                                                                                                                                                                                                                                                                      ABA81997 standard; DNA; 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity 89.5'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (SWIT-) SWITCH BIOTECH AG
                                                                                                                                                                                                                                                                                                                                                                         (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Regenbogen J, Wolf E,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WPI; 2001-433142/47.
                                                                                                                                                                                                                                                                                                                                                                                                                                          Human; mouse;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CA2325226-A1.
                                                                                                                                                                                                                                                                                                                                                                         25-JAN-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        17-MAY-2001.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      substances.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Synthetic.
                                                                                                                                                                                                                                                                                                                                          ABA81997;
                                                                                                                                                                                                                                                                          RESULT 498
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gibbs-10-667-022-4.rng

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2880 GAAGAAGTTGCTCTCACAG 2898
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                                                                                                                                                                                                                                                                              99US-00231240
                                                                                                                                                                                                                                                                                                                                  96US-00632598
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  21 GAAGAAGGTGCTCTCCCAG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAH62183 standard; DNA; 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (revised)
(first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Local Similarity 89.5
                                                                                                                                                                                                                                                                                                                                                                                                                                               Fletcher JD;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WPI; 2001-450497/48.
                                                                                                                                                                                                                                                                                                                                                                                     (ZENE ) ZENECA LTD.
                                                                                                                                                                                                                                                                              15-JAN-1999;
                                                                                                                                                                                                                                                                                                                                    15-APR-1996;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Homo sapiens
Unidentified
                                                                                                                                                              JS6262346-B1
                                                                                                                                                                                                                       17-JUL-2001.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   09-SEP-2004
12-SEP-2001
                                                                                                                Persea sp.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAH62183;
                                                                                                                                                                                                                                                                                                                                                                                                                                            Bird CR,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
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  X S S X X X X X S X A Z A Z X S S X
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    The invention relates to the use of a polypeptide (ABB44544-ABB44601, ABB44606-ABB44603) or its variant or encoding nucleic acid (ABA81990-ABA81995). ABA8191910-ABA81990-ABA81990-ABA81990-ABA81990-ABA81990-ABA81990-ABA81990-ABA81990-ABA81990-ABA81990-ABA81990-ABA81990-ABA81990-ABA81990-ABA81990-ABA81990-ABA81990-ABA81990-ABA81990-ABA81990-ABA81990-ABA81990-ABA81990-ABA81990-ABA81990-ABA8190-ABA8190-ABA81990-ABA81990-ABA81990-ABA81990-ABA81990-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190-ABA8190
                                                                                                                                                                                                                                                                                                                                                      Human, mouse; vulnerary; dermatological; skin disorder; wound healing; gene therapy; PCR primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Use of novel polypeptide or its variant or nucleic acid encoding the polypeptide for diagnosing and/or preventing and/or treating skin disorders and/or treatment in wound healing or for identifying active
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PCR primer #4 used to clone ethylene-forming enzyme (EFE) from banana
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gape
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Halle J;
                                                                                                                                                                                                                                                                                                  Mouse wound healing related PCR primer SEQ ID NO 68.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 21 BP; 3 A; 6 C; 4 G; 8 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Werner S,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Goppelt A,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Example 5; Page 58; 265pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      3258 CATTTGTGTCCCTTTGTCA 3276
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CAGTIGIGICCCATIGICA 21
3 CAGTIGIGICCCALIGICA 21
                                                                                                                                    BP.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              17-NOV-1999; 99DE-01055349.
17-DEC-1999; 99US-0172511P.
20-JUN-2000; 2000DE-01030149.
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                                                                                                                                 ABA81999 standard; DNA; 21
                                                                                                                                                                                                                                              (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WPI; 2001-433142/47.
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                                                                                                                                                                                                                                              25-JAN-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                            Mus musculus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   17-MAY-2001.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     substances.
                                                                                                                                                                                        ABA81999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAS09920;
                                                                     RESULT 499
ABA81999
ID ABA81999
XX
AX
AX
ABA81999
XX
DT 25-JAN
XX
BX
CA232
XX
CA332
XX

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ID AASO
XX AASO
XX AASO
DT 24-O
XX XX
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The sequence represents PCR primer #4 from avocado used to design a degenerate PCR primer, BEFE-5 (AAS09924) which was used to clone ethylene -forming enzyme (BFE) from banana, used in the method of the invention.

The method involves modifying the level of ethylene biosynthesis in a plant of the genus Musa by inserting into the genome of the plant a DNA sequence (I) encoding a banana 1-aminocyclopropane-1- carboxylic acid synthase (ACS) or an ethylene-forming enzyme (BFE), where (I) is in sense or antiennse configuration, and modifies the level of activity of ACS or EFE. This retards the rate of ripening in banana fruits which reduces the care of deterioration of banana fruit after harvest. As a result, fruit may be harvested when they have reached partial or full ripeness and still have the robustness to withstand handling and transport to reach the consumer in good condition. In this way high quality ripe fruit can be made available to the consumer with reduced requirement for post.

Charvest treatment. High quality fruit will have improved flavour and texture. High quality fruit can be produced consistently over a wide the consumer the consumer with reduced negativement for post.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Modifying level of ethylene biosynthesis in plant of genus Musa, involves inserting into genome of plant a DNA sequence encoding banana 1-aminocyclopropane-1-carboxylic acid synthase or ethylene-forming enzyme.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gape
1-aminocyclopropane-1-carboxylic acid synthase; ACS; banana;
ethylene biosynthesis; ethylene-forming enzyme; BFE; fruit ripening;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Single nucleotide polymorphism, SNP; human; cancer; inflammation; heart disease; paternity testing; forensic science; ds.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ;
0
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0.3%; Score 15.8; DB 1; Length 21; 89.5%; Pred. No. 3.3e+02; tive 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 21 BP; 4 A; 6 C; 6 G; 5 T; 0 U; 0 Other;
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                                                                                                             fruit storage; PCR primer; avocado; ss.
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Novel polynucleotide of the endothelin/endothelin converting enzyme receptors of endothelin and endothelin converting enzyme signaling system associated with cardiovascular disease, useful for treating the

(EPID-) EPIDAUROS BIOTECHNOLOGIE AG.

Brinkmann U, Hoffmeyer S;

WPI; 2002-435060/46.

disease.

31-AUG-2001; 2001WO-EP010087 19-SEP-2000; 2000EP-00120123

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                                                                                                                                                                                                                                                                                                                                                                                                             DNA sequences AAH62100 - AAH62688 represent segments of human genes which contain single nucleotide polymorphisms (SNPs). A method is included in the invention for analysing a nucleic acid sample, which consists of determining the base occupying any one of the polymorphic sites given in the SNP containing sequences. The nucleotide sequences can be used in the diseases, diseases of the cardiovascular system, and infection by microorganisms. The oligonucleotides are also useful in the manufacture of a medicament for the treatment or prophylaxis of the diseases, and as a pharmaceutical. SNP containing oligonucleotides are useful in an east of a pharmaceutical should be correlation, forensics, paternity testing,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Endothelin; EDN; endothelin converting enzyme; ECE; endothelin receptor; EDNR; signaling system; cardiovascular disease; coronary heart disease; hypertension; atherosclerosis; angiogenesis; fatty acid metabolism; diabetes; familial hypercholesterolaemia; forensic marker; transgenic animal; solid support; cardiovascular regulator; SNP; single nucleotide polymorphism; PCR; primer; ss.
                                                                                                                                                                                                                                                                                                               New nucleic acid segments of the human genome, particularly from genes including polymorphic sites, for phenotype correlation, forensics, paternity testing, medicine and genetic analysis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Revised record issued on 09-SEP-2004 : Correction to Feature Table Key
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Endothelin converting enzyme 1 (ECE-1) SNP detection primer #146.
                                 /*tag= a
/standard name= "single nucleotide polymorphism"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     / Match 0.3%; Score 15.8; DB 1; Length 21; Local Similarity 89.5%; Pred. No. 3.3e+02; nes 17; Conservative 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 21 BP; 11 A; 0 C; 9 G; 1 T; 0 U; 0 Other;
                                                                                                                                                                                                                 (WHED ) WHITEHEAD INST BIOMEDICAL RES.
Location/Qualifiers
                                                                                                                                                                                                                                                  Lander ES;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            2907 AGAGGAAGAGGAAGACAAA 2925
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AGAGGAAGAGGAAGATGAA 20
                                                                                                                                                                                                                                                                                                                                                                                      Claim 1; Page 36; 80pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Bb
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            medicine and genetic analysis
                                                                                                                                                 17-NOV-2000; 2000WO-US031639
                                                                                                                                                                                    99US-0167334P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ABK94358 standard; DNA; 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (first entry)
                                                                                                                                                                                                                                                    Ireland JS,
                                                                                                                                                                                                                                                                                    WPI; 2001-367705/38.
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                                                                                   WO200138576-A2
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                                                                                                                                                                                    24-NOV-1999;
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                                                                                                                   31-MAY-2001
                                                                                                                                                                                                                                                        Cargill M,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Synthetic
 Key
variation
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ABK94358;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
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The invention describes a polymucleotide (I) of the endothelin (EDNR) (EDN)/endothelin converting enzyme (ECE)/receptors of EDN and ECE (EDNR) (EDN)/endothelin converting enzyme (ECE)/receptors of EDN and ECE (EDNR) (CC signaling system which is associated with a cardiovascular disease. (I), the gene encoding EDN, ECE or EDNR (II) or a vector (III) expressing a molecular variant gene comprising (I) is useful for identifying and conclusion as pro-drug or drug capable of modulating the activity of a molecular variant gene comprising (I) is useful for identifying and obtaining a pro-drug or drug capable of the EDN/EDNN/ECE signaling system cor its gene product, or for identifying and obtaining an inhibitor of the cativity of a molecular variant of a polypeptide of the EDN/EDNN/ECE signaling system or its gene product. The isolated proteins and cortivate comprision them are useful for preparation of a polymorleotides encoding them are useful for preparation of a polymorleotides encoding them are useful for preparation of a polymorleotides encoding them are useful for preparation of a polymorleotides composition for treating a cardiovascular disease such as polymorleotides and in the EDN/EDN/EDN signaling system are useful as forensic markers, for comportant angiogenesis or fatty acid metabolism e.g. diabetes and familial cortivals are repulsation of a solid support coreating a transgenic animal and in creation of a solid support corpusing polymorleotides, genes vectors, polypeptides, antibodies or comprising polymorleotides, genes vectors, polypeptides, artibodies or cardiovascular regulator prote
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ö
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Endothelin converting enzyme 1 (ECE-1) SNP detection primer #145.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0.3%; Score 15.8; DB 1; Length 21;
89.5%; Pred. No. 3.3e+02;
tive 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 21 BP; 4 A; 7 C; 7 G; 3 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                 Example 6; Page 67; 190pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    4515 CCCTCGAAGGGGCCCAGAG 4533
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hes 17; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Synthetic
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WO200224747-A2

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The present sequence is a PCR primer for murine alpha 1-antichymotrypsin (ACT) cDNA (see ABV76143). It was used, with the primer given in ABV76148, in examples from the invention describing the PCR amplification of murine ACT to examine expression in normally healing, well healing and 3 different types of poorly healing wounds with different pathogenic backgrounds, and to examine the kinetics of ACT expression during wound healing in healthy and diabetic mice. The invention is based on the discovery that decreased expression of ACT is causally involved in poor wound healing specifically in poorly healing diabetes-associated and poorly healing arterial wounds. An ACT polypeptide, including murine ACT, an uncleic acid encoding it, or a cell expressing the ACT polypeptide or nucleic acid encoding it, can be used for the diagnosis, treatment and/or prevention of diabetes-associated and/or exterial wounds which heal
                                                                                                                                                                                                                                                                                                                                                       Use of alpha 1-antichymotrypsin polypeptide or nucleic acids encoding the polypeptide, or of a cell expressing the polypeptide, or of antibody against the polypeptide, for diagnosing, treating or preventing poorly-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            poorly. The wound may be a diabetic ulcer or an arterial ulcer, and the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Collagen; procollagen; pro-alpha chain; vulnerary; gene therapy;
drug delivery; PCR; primer; 88.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 15.8; DB 1; Length 21;
Pred. No. 3.38+02;
0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 21 BP; 3 A; 6 C; 4 G; 8 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              keratinocytes, fibroblasts or endothelial cells
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Pro-alphal(III) chain 5' PCR primer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Example 1; Page 38; 70pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         cells are autologous or allogenic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   3258 CATTIGIGICCCTTIGICA 3276
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23-OCT-2001; 2001GB-00025372.
                                                                       30-APR-2002; 2002WO-EP004757
                                                                                                                       30-APR-2001; 2001DE-01021255
18-SEP-2001; 2001US-0323348P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity 89.5%;
Matches 17; Conservative
                                                                                                                                                                                                                                                          Hof P;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ACC58762/c
ID ACC58762 standard; DNA; 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      26-AUG-2003 (first entry)
                                                                                                                                                                                                     (SWIT-) SWITCH BIOTECH
                                                                                                                                                                                                                                                          Goppelt A,
                                                                                                                                                                                                                                                                                                       WPI; 2003-103450/09
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                                                                                                                                                                                                                                                                                                                                                                                                                                       healing wounds.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Unidentified.
                       07-NOV-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           01-MAY-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ACC58762;
                                                                                                                                                                                                                                                    Halle J,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RESULT 505
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         The invention describes a polynuclectide (I) of the endothelin signal converting enzyme (BCB)/receptors of EDN and ECE (EDNR) signaling system which is associated with a cardiovascular disease. (I), the gene encoding EDN, ECE or EDNR (II) or a vector (III) expressing (I) or (III) is useful for producing cells capable of expressing a molecular variant polypoptide which is associated with a cardiovascular disease. (II), (IIII), the EDN, ECE or EDNR polypoptide, or a cell expressing a molecular variant gene comprising (I) is useful for identifying and obtaining a product, or for identifying or inhibitor of a molecular variant of a polypoptide of the EDN/EDNR/ECE signaling system or its gene product, or for identifying an inhibitor of the cell variant of a molecular variant of a polypoptide of the EDN/EDNR/ECE signaling system or its gene product. The isolated proteins and polynucleotides encoding them are useful for preparation of a polypoptical composition for treating a cardiovascular disease such as conmary heart disease, hypertension, atherosclerosis, or related to abnormal angiogenesis or fatty acid metabolism e.g. diabetes and familial EDN/ECE, EDNR signaling system are useful a for engagenet of the EDN/ECE, EDNR signaling system are useful as formator markers, for creating a transgenic animal and in creation of a solid support composition phynucleotides, genes, vectors, polypeptides, antibodies or boat creating a personance or is sense.
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                                                                                                                                                                                                                                                                                                                                                    Novel polynucleotide of the endothelin/endothelin converting enzyme/receptors of endothelin and endothelin converting enzyme signaling system associated with cardiovascular disease, useful for treating the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         to identify single nucleotide polymorphisms in DNA encoding cardiovascular regulator proteins of the EDN/ECE/EDNR signaling pathway
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                                                                                                                                                                                               (EPID-) EPIDAUROS BIOTECHNOLOGIE AG.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Example 6; Page 67; 190pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           4515 CCCTCGAAGGGGCCCAGAG 4533
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                                                                                             31-AUG-2001; 2001WO-EP010087
                                                                                                                                               19-SEP-2000; 2000EP-00120123
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                                                                                                                                                                                                                                                  Brinkmann U, Hoffmeyer S;
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                                                                                                                                                                                                                                                                                                    WPI; 2002-435060/46.
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                                               28-MAR-2002
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including skin cells such as

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23-SEP-2004
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Measuring DNA-dependent DNA polymerization in a biological sample, useful for drug susceptibility testing, comprises measuring the amount of incorporated modified deoxynucleoside triphosphate with the aid of a
                                                                                                                                                     The present sequence is that of a 5' primer, which was used with the 3' primer given in ACCS8763 for the PCR amplification of the pro-alphal(III) chain. The PCR product was used to prepare a DNA molecule (see ACCS8766) encoding a modified pro-alpha chain (see ABR42661) in which decorin replaced the globular domain of the N-propeptide of the pro-alphal(III) chain. This is an example of modified pro-alpha chains of the invention that may form part of a procollagen molecule for incorporation into collagen polymers, matrices and gels used to treat wounds and fibrotic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          The invention relates to measuring DNA-dependent DNA polymerization in a biological sample and involves measuring the amount of incorporated modified deoxymucleoside triphosphate with the aid of the label of a bound antibody. The method is useful in measuring DNA polymerization for
                                                                            Novel modified pro-alpha-chain useful for treating wounds and fibrotic disorders, has triple helical forming domain linked to N-terminal domain that contains a polypeptide sequence from proteoglycan protein core.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                DNA polymerization; drug susceptibility; HIV; reverse transcriptase; RT;
                                                                                                                                                                                                                                                                                                                                             Gaps
                                                                                                                                                                                                                                                                                                                                             ö
                                                                                                                                                                                                                                                               disorders, in tissue replacement, and in cosmetic treatments
                                                                                                                                                                                                                                                                                                                  0.3%; Score 15.8; DB 1; Length 21;
39.5%; Pred. No. 3.3e+02;
ve 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Template (CTGA)5-A for second strand synthesis by HIV RT.
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                                                                                                                                                                                                                                                                                         Sequence 21 BP; 7 A; 5 C; 6 G; 3 T; 0 U; 0 Other;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Example 1; Page 31; 36pp; English.
                                                                                                                                   Example 1; Page 33; 73pp; English
                                                                                                                                                                                                                                                                                                                                                                         1876 GCCTTGAGGACGTTGACCA 1894
    (UYMA-) UNIV VICTORIA MANCHESTER
                                                                                                                                                                                                                                                                                                                                                                                     ABZ75638 standard; DNA; 21 BP
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           14-JUN-2002; 2002WO-SE001155
                                                                                                                                                                                                                                                                                                                                  89.58;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (first entry)
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Matches 17; Conservative
                               Bulleid NJ;
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                                                        WPI; 2003-504991/47
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                                  Kadler KE,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Synthetic.
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8 g

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The present invention relates to a method (M1) for selecting an animal comprises testing the animal for the presence of a nucleic acid comprises testing the animal for the presence of a nucleic acid comprises testing the activity of an evolutionary conserved CpG modification affecting: the activity of an evolutionary conserved CpG island located in intron 3 of an IGP2 gene; and/or binding of a nuclear factor to an IGP2 gene. The nuclear factor is capable of binding to a stretch of nucleotides which in the wild type pig, mouse or human IGP2 gene is part of an evolutionary conserved CpG island, located in intron 3 of the IGP2 gene. The stretch is functionally equivalent to (ADQ80709). Cof the IGP2 gene. The stretch is functionally equivalent to (ADQ80709). Cof the nucleic acid modification in ADQ80709 comprises a G to A transition CC The nucleic acid modification in ADQ80709 comprises a G to A transition CC The nucleic acid muscle mass, fat deposition, and/or teat number. CT properties related to muscle mass, fat deposition, and/or teat number. CT properties related to muscle mass, fat deposition, and/or teat number. CT GF2 gene by modulating the activity of an evolutionarily conserved CpG island located in intron 3 of an IGP2 gene and/or modulating binding of an IGP2 gene and a method (M4) for identifying a compound capable of modulating binding of a nuclear factor to an IGP2 gene in a cell or organism. CT for modulating mRNA transcription of an IGP2 gene and a method (M4) for identifying a compound capable of modulating binding of a nuclear factor to an IGP2 gene in a cell or organism.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Selecting an animal for desired genotypic or potential phenotypic properties such as muscle mass and/or fat deposition, comprises testing for a single nucleotide polymorphism in intron 3 of the IGF2 gene.
drug susceptibility testing. Sequences ABZ75637-647 represent different templates used for second strand synthesis by HIV reverse transcriptase (RT)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Anorectic, Antidiabetic, Muscular, Gene Therapy; CpG island;
IGF2 gene intron 3; muscle mass; fat deposition; teat number; obesity;
muscle deficiency; diabetes; PCR; primer; ss; p1g.
                                                                                                                                                                                                                                                                                                                                                                Gaps
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0
                                                                                                                                                                                                                                                                               21;
                                                                                                                                                                                                                                                                                            3.3e+02;
3.3e+02;
--- 2; Indels
                                                                                                                                                                                                                                                                           0.3%; Score 15.8; DB 1; Length
89.5%; Pred. No. 3.3e+02;
iive 0; Mismatches 2; Indels
                                                                                                                                                                                               Sequence 21 BP; 6 A; 5 C; 5 G; 5 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Buys N;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Georges M,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Example 1; Page 20; 38pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                     4769 TGACTGACTGACTAAATGA 4787
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    2 TGACTGACTGACTGA 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      10-JAN-2003; 2003EP-00075091.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADO80726 standard; DNA; 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Porcine PULGE3 UP-primer.
                                                                                                                                                                                                                                                                                            Query Match 0.3
Best Local Similarity 89.5
Matches 17; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WPI; 2004-501307/48.
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GENTEC BV.
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(M3) and (M4) are useful for identifying compounds capable of modulating mRNA transcription of an IGF2 gene and/or modulating binding of a nuclear factor to an IGF2 gene. Compounds identified are potentially useful for trating obesity, muscle deficiencies and diabetes. The present sequence is a primer which was used to produce porcine sequence tagged sites (STS) in an example from the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human; 88; antisense therapy; cytostatic; antiinflammatory; haemostatic; cerebroprotective; nootropic; neuroprotective; antiparkinsonian; muscular; CD20; neurite growth inhibitor gene; NOG0; hammerhead ribozyme; DNAzyme; inozyme; G-cleaver; amberzyme; zinzyme; lymphoma; leukaemia; B-cell lymphoma; non-Hodgkin's lymphoma; NHL; lymphocytic leukaemia; Muman immunodeficiency virus; HIV associated NHL; mantle-cell lymphoma; MCL; immunocytoma; IMC; immune thrombocytopsenia; stroke; dementia; inflammatory arthropathy; central nervous system injury; cerebrovascular accident; CVA; Alzheimer's disease; multiple sclerosis; chemotherapy-induced neuropathy; amyotrophic lateral sclerosis; ALS; Parkinson's disease; ataxia; Huntington's disease; Creutzfeldt-Jakob disease; muscular dystrophy; neurodegenerative disease.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                The invention relates to a nucleic acid molecule which down regulates expression of a CD20 gene and a nucleic acid molecule which down regulates expression of a neurite growth inhibitor gene (NOGO). The
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                                                                                                                                                              0.3%; Score 15.8; DB 1; Length 21; 89.5%; Pred. No. 3.3e+02;
                                                                                                                                                                                                 2; Indels
                                                                                                                            Sequence 21 BP; 4 A; 4 C; 7 G; 6 T; 0 U; 0 Other;
                                                                                                                                                                                                 0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human NOGO Hammerhead Ribozyme #63
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                                                                                                                                                                                                                                    4311 TCCTGCAGATGGAAATCCT 4329
                                                                                                                                                                                                                                                                    rccrecagaragaaagccr 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             central nervous system injury.
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2000US-0185516P.
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                                                                                                                                                                                                                                                                                                                                                             ABK00063 standard; RNA; 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RIBOZYME PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                    (first entry)
                                                                                                                                                                              Best Local Similarity 89.5
Matches 17, Conservative
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MCSWIGGEN J.
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28-FEB-2000;
                                                                                                                                                                                                                                                                                                                                                                                                                                      12-MAR-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   16-AUG-2001.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                  ABK00063;
                                                                                                                                                                                                                                                                      13
                                                                                                                                                                Query Match
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ABK00063/
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CC nucleic acids may be enzymatic nucleic acids (e.g. a ribozyme or a DNAzyme) an Inozyme (an endolytic nucleic acid cleaving an RNA molecule possessing an NCH mocif), a G-cleaver (cleaving RNA with an NGN riplet), a zinzyme (cleaving RNA with an NGN riplet), a zinzyme (cleaving RNA with an NGN riplet), a zinzyme (cleaving RNA with a VGY motif). The CD20-targetting nucleic acid is used to cleave RNA of CC coll in the presence of a divalent cation that is preferably Mg<sup>2</sup> +.

CC fCD20 in the presence of a divalent cation that is preferably Mg<sup>2</sup> +.

CC fULC) The treatment may further comprise the use of one or more conformation the capies. In particular, by further comprise the use of one or more conformation in a lymphoma, leukaemia, B-cell lymphoma, low-grade or follicular non-treat lymphoma (MCL), immunotycoma (IMC) small B-cell lymphocytic lymphocytic lymphocytic lymphoma, immunocytopaenia, and inflammatory arthropathy. The NGGO-cell lymphoma, immunocytopaenia, and inflammatory arthropathy. The NGGO-ct targetting nucleic acid is used to clearably Mg<sup>2</sup> 2+. Furthermore, the contacted with a cell to reduce NGGO activity of the presence of a divalent cation that is preferably Mg<sup>2</sup> 2+. Furthermore, the contacted with a cell to reduce NGGO activity of the contacted with a confittion associated with the level of contacted with a confittion associated with release to therapies. In particular, the NGGO-targetting nucleic acid may be used to treat centural nervous system (CNS) injury and cerebrooascular a centural nervous system (CNS) injury and cerebrooascular acident (CNS) injury and cerebrooascular acident (CNS, stroke), Alzheimer's disease, dementia, multiple sclerosis (ALS), chemotherapy-induced neuropathy, amyotrophic lateral sclerosis (ALS), parkinson's disease, muscular dystrophy, and/or other neurodegenerative disease cerebroops and relaxia, Huntington's disease, creates which respond to the modulation of NGGO expression. The present contacted ribozyme of the invention
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Human; 88; antisense therapy; cytostatic; antiinflammatory; haemostatic; cerebroprotective; anotropic; neuroprotective; antiparkinsonian; muscular; CD20; neurice growth inhibitor gene; NOGO; hammerhead ribozyme; DNAzyme; inozyme; G-cleaver; amberzyme; inizyme; Jumphoma; Ineukaemia; human immundeficiency virus; HIV associated NHL; lymphocytic leukaemia; human immundeficiency virus; HIV associated NHL; mantle-cell lymphoma; MCL; famunocytoma; IMC; immune thrombocytopaenia; stroke; dementia; inflammatory arthropathy; central nervous system injury; central nervous system injury; characterize collation; and december acident; CVA; Alzheimer's disease; multiple sclerosis; parkingon's disease; ataxia; Huntington's disease;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Creutzfeldt-Jakob disease; muscular dystrophy; neurodegenerative disease.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1577 TTTCTGCAGATGAGCGT 1593
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT 509
ABK00962/c
ID ABK00962 standard; RNA; 17 BP.
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Matches 16; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Human NOGO Inozyme #232.
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28-FEB-2000; 2000US-0185516P. 06-MAR-2000; 2000US-0187128P.

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The invention relates to a nucleic acid molecule which down expression of a CD20 gene and a nucleic acid molecule which down expression of a CD20 gene and a nucleic acid molecule which down regulates expression of a neurite growth inhibitor gene (NGOD). The could be enzymatic nucleic acids (e.g. a ribozyme or a nucleic acids may be enzymatic nucleic acids (e.g. a ribozyme or a nucleic acids may be enzymatic nucleic acid cleaving an RNM motif) proposessing an NCH motif), a G-cleaver (cleaving RNA with a NCH motif), a G-cleaver (cleaving RNA with a NCH motif). The CD20-targetting nucleic acid is used to cleave RNA with a YGY motif). The CD20-targetting nucleic acid is used to cleave RNA compared to the cell and treat a patient having a condition associated with the level cof CD20. The treatment may further comprise the use of one or more cof CD20. The treatment may further comprise the use of one or more cof CD20. The treatment may further comprise the use of one or more creat lymphoma, leukaemia, B-call lymphoma, low-grade or follicular NGO-cleave NMI, low-grade or follicular nontraction and inflammatory arthropathy. The NOGO-cleave RNA of the NOGO gene in the creatment and further comprise the use of one or more compared in mucleic acid may be used to cleave RNA of the NOGO gene in the creatment may further comprise the use of one or more collicular, the NOGO-the treatment may further comprise the use of one or more collicular, the NOGO-the treatment may further comprise the use of one or more collicular, the NOGO-the use of one or more collicular, the NOGO-the motified acid and because, dementia, multiple sclerosis (MS), chemotherapy-induced neuropathy, amyotrophic lateral aclerosis (MS), chemotherapy-induced neuropathy amyotrophic lateral
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human; ss; antisense therapy; cytostatic; antiinflammatory; haemostatic;
                                                                                                                                                                                                                                                          Nucleic acid molecules, e.g., enzymatic nucleic acids and antisense constructs, which down regulate expression of a CD20 gene or neurite growth inhibitor gene useful for treating, e.g., lymphoma, leukemia, and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
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                                                                                                                                                                          Chowrira BM;
                                                                                                                                                                                                                                                                                                                                                                          claim 88; Page 81; 200pp; English.
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                                                                                                                                                                                                                                                                                                                                   central nervous system injury.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match 0.3%;
Best Local Similarity 94.1%;
Matches 16; Conservative
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                                                            RIBOZYME PHARM INC.
BLATT L.
MCSWIGGEN J.
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                                                                                                                                                                          Blatt L, Mcswiggen J,
                                                                                                                            CHOWRIRA B M.
                                                                                                                                                                                                                       WPI; 2001-607195/69
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                                                                                                              (MCSW/)
                                                                   (RIBO-)
                                                                                      (BLAT/)
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cerebroprotective; nootropic; neuroprotective; antiparkinsonian; muscular; CD20; neurite growth inhibitor gene; NOGO; hammerhead ribozyme; DNAzyme; inozyme; G-cleaver; amberzyme; zinzyme; lymphoma; leukaemia; human immunodeficiency wirus; HIV associated NHL; lymphocytic leukaemia; human immunodeficiency virus; HIV associated NHL; mantle-cell lymphoma; MCL; immunocytoma; IMC; immune thrombocytopaenia; stroke; dementia; inflammatory arthropathy; central nervous system injury; cerebrocytencecell cerebrocytes accident; CVA; Alzheimer's disease; multiple sclerosis; chemotherapy-induced neuropathy; amyotrophic lateral sclerosis; ALS; parkinson's disease; ataxia; Huntington's disease; creutzfeldt-Jakob disease; muscular dystrophy; neurodegenerative disease.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Chowrira BM;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  28-FEB-2000; 2000US-0185516P.
06-MAR-2000; 2000US-0187128P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (RIBO-) RIBOZYME PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Mcswiggen J,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CHOWRIRA B M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WPI; 2001-607195/69.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      BLATT L.
MCSWIGGEN J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WO200159103-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                   sapiens.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                     Synthetic.
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Nucleic acid molecules, e.g., enzymatic nucleic acids and antisense constructs, which down regulate expression of a CD20 gene or neurite growth inhibitor gene useful for treating, e.g., lymphoma, leukemia, and central nervous system injury.

Claim 88; Page 81; 200pp; English.

The invention relates to a nucleic acid molecule which down regulates expression of a CD20 gene and a nucleic acid molecule which down regulates expression of a neurite growth inhibitor gene (NGOD). The nucleic acids (e.g. a ribozyme or a nucleic acids (e.g. a ribozyme or a rubcited and north motif), a G-cleaver (cleaving RNA with a NTM motif) proposessing an NCH motif), a G-cleaver (cleaving RNA with a NTM motif) proposessing an NCH motif), a G-cleaver (cleaving RNA with a NTM motif) proposessing an NCH motif), a G-cleaver (cleaving RNA with a TWN motif) proposessing an NCH motif) and a G-cleaver (cleaving RNA with a TWN motif) proposessing an NCH motif, a G-cleaver (cleaving RNA with a TWN motif) proposessing an NCH motif of CD20-targeting nucleic acid is used to cleave RNA cof CD20 in the presence of a divalent cation that is preferably MG²+. Cof CD20. The treatment may further comprise the use of one or more cof CD20. The treatment may further comprise the use of one or more cof CD20. The treatment may further comprise the use of fone or more loakachis land proposes (NRL), bulky low-grade or follicular NHL, lamphocytic languation (NRL), bulky low-grade or follicular NHL, lamphocytic largeting nucleic acid may be contacted with a cell to reduce NGO gene in the presence of a divalent cation that is preferably MG²+. Furthermore, the presence of a divalent cation that is preferably MG²+. Furthermore, the contacted with a cell to reduce NGO activity of the coll and treat a patient having a condition associated with the level of NGO. The treatment may further comprise the use of one or more therapies. In particular, the NGO-tayetting nucleic acid may be used to the presence of a divalent cation that is preferably MG²+. Furthermore, the NGO-therapies in material mervous system (CNA) injury and ceatebrovascular accident (CNA, stroke), Alzheimer's disease, dementia, multiple sclerosis (MS), chemotherapy-induced neuropathy, amyore disease, cataia, Huntington's disease, cataia, Huntington's disease, cataia, Hu sequence is an inozyme of the invention

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New isolated nucleic acid, useful for treating viral diseases associated with tumors and cell degeneration, also related polypeptides, antibodies and transfected cells.
                                                                                                   Cytostatic; virucide; neuroprotective; nootropic; neuroleptic; murine; tumour suppression; tumour reversion; apoptosis; virus resistance; viral disease; tumour; cell degeneration; cancer; Alzheimer's disease; schizophrenia; ss.
                                                                        Murine oligonucleotide associated with tumour supression, SEQ ID 2382.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Disclosure; Page 309; 738pp; French.
                                                                                                                                                                                                                                                                                                                      (MOLE-) MOLECULAR ENGINES LAB.
                                                                                                                                                                                                                                                             L7-SEP-2002; 2002WO-IB004210
                                                                                                                                                                                                                                                                                          17-SEP-2001; 2001FR-00011979
                                             01-JUL-2003 (first entry)
                                                                                                                                                                                                                                                                                                                                                    Amson R,
                                                                                                                                                                                                                                                                                                                                                                               4PI; 2003-333167/31.
                                                                                                                                                                                                      WO2003025176-A2.
                                                                                                                                                                           Mus musculus.
                                                                                                                                                                                                                                                                                                                                                    Telerman A,
                                                                                                                                                                                                                                  27-MAR-2003
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ACC68806), which are associated with tumour suppression, tumour reversion, apoptosis and virus resistance. The oligonucleotides are useful as (1) as probes and primers for detecting, identifying, quantifying and/or amplifying nucleic acid, e.g. as one component of a gene chip, in vitro as (anti) sense reagents; and (2) for production of recombinant polypeptides. The oligonucleotides are useful for preparation of pharmaceuticals for prevention and/or treatment of viral diseases that
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           New isolated nucleic acid, useful for treating viral diseases associated with tumors and cell degeneration, also related polypeptides, antibodies and transfected cells.
                                                                                                                                                                                                                                                                                                    Cytostatic; virucide; neuroprotective; nootropic; neuroleptic; murine; tumour suppression; tumour reversion; apoptosis; virus resistance; viral disease; tumour; cell degeneration; cancer; Alzheimer's disease;
                                                                                                                                                                                                                                                                         Murine oligonucleotide associated with tumour supression, SEQ ID 5330.
                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   present invention relates to murine oligonucleotides (ACC62754-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 specifically cancer but also Alzheimer's disease and schizophrenia
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                            Score 15.4; DB 1; Length 17;
Pred. No. 3.4e+02;
0; Mismatches 1; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  development of tumours or cell
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Sequence 17 BP; 4 A; 6 C; 3 G; 0 T; 4 U; 0 Other;
                  0.3%; Scor.
94.1%; Pred. No. s...
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Disclosure; Page 654; 738pp; French.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Tuijnder M;
                                                                                    1578 TTCTGCAGATGAGCGTA 1594
                                                                                                                                                                                     ACC68083 standard; DNA; 17 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (MOLE-) MOLECULAR ENGINES LAB
                                                                                                       TTCTGCAGAGGAGCGTA 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             17-SEP-2001; 2001FR-00011979.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                17-SEP-2002; 2002WO-IB004210
             Query Match
Best Local Similarity 94.1.
Best Local Similarity 16.1.
Conservative
                                                                                                                                                                                                                                              (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Telerman A, Amson R,
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Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                   schizophrenia; ss
                                                                                                                                                                                                                                                                                                                                                                                                         WO2003025176-A2.
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                                                                                                                                                                                                                                                                                                                                                                              Mus musculus
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                                                                                                                                                                                                                  ACC68083;
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                                                                                                                                                                      ACC68083
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Tuljnder M;

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The present invention relates to murine oligonucleotides (ACC62754-ACC68806), which are associated with tumour suppression, tumour reversion, apoprosis and virus resistance. The oligonucleotides are useful as (1) as probes and primers for detecting, identifying, quantifying and/or amplifying nucleic acid, e.g. as one component of a gene chip, in virco as (anti) sense reagents; and (2) for production of recombinant polypeptides. The oligonucleotides are useful for preparation of pharmaceuticals for prevention and/or treatment of viral diseases that are characterised by development of tumours or cell degeneration, specifically cancer but also Alzheimer's disease and schizophrenia
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                                                                                                                                                                                                                                                                                                                                                                                              Gape
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                                                                                                                                                                                                                                                                                                                                   Score 15.4; DB 1; Length 17; Pred. No. 3.4e+02; 0; Mismatches 1; Indels
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                                                                                                                                                                                                                                                                                         Sequence 17 BP; 4 A; 3 C; 1 G; 9 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                              1417
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                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity 94.1%;
Matches 16; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                              1401 AAATAAAATTGAAGATC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADB39787 standard; DNA; 17
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04-DEC-2003
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Gaps

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960 GATCCTGACAGCTGTGG 976

16; Conservative

Matches

GATCCTGAGAGCTGTGG 17

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RESULT 512 ACC65135/c ID ACC65135 standard, DNA, 17 BP.

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17-SEP-2002; 2002WO-IB004219.
15-MAY-2003
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                                                                                                                                                                                                                                                                            fragments of at least 15 consecutive nucleotides of these nucleotides, a sequence having at least 80% identity, after optimal alignment, with the nucleotides, a sequence that hybridizes under stringent conditions with the nucleotides, or the complement, or corresponding RNA, of the nucleotides. The nucleotides are used as probes or primers for detecting, identifying, quantifying and/or amplifying nucleic acids, as in vitro sense and antisense sequences, of nucleotides involved in tumour suppression or reversion, apoptosis and or viral resistance, to produce recombinant polypeptides, and to prepare transgenic animals, as recombinant polypeptides, and to prepare transgenic animals, as recombinant polypeptides, and to prepare transgenic animals, as caperimental models. The nucleotides (laso vectors containing them and calls containing the vectors), the encoded polypeptides and antibodies of viral infections or diseases characterized by development of tumours or viral degeneration (e.g. Alzheimer's disease or schizophrenia).

Chalysis of the expression of the nucleotides can be used for diagnosis and the containing the vectors when the containing the vectors or all degeneration (e.g. Alzheimer's disease or schizophrenia).
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                and/or prognosis of these diseases. The nucleotides and polypeptides can also be used to screen for their specific interactive molecules, potentially useful for treating diseases associated with abnormal
                                                                                                                                                                                             New nucleic acid encoding human prostate membrane-specific antigen, useful e.g. for treatment of tumors and viral infection, also related polypeptide and antibodies.
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0
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 17 BP; 9 A; 2 C; 3 G; 3 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                              Disclosure; Page 45; 771pp; French
                                                                                                                                                      Tuijnder M;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1332 TGTACCATTATTTGATC 1348
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               expression of the nucleotides.
                                                                                                                             (MOLE-) MOLECULAR ENGINES LAB
                                                                       17-SEP-2002; 2002WO-IB004219.
                                                                                                 17-SEP-2001; 2001FR-00011981.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADB42797 standard; DNA; 17
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(first entry)
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                                                                                                                                                                                 WPI; 2003-441574/41.
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Matches 16; Conserv
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                   WO2003040369-A2
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04-DEC-2003
                                              15-MAY-2003
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ADB42797
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The invention relates to the isolation of 6327 mucleotide sequences, fragments of at least 15 consecutive nucleotides of these nucleotides, a sequence having at least 80% identity, after optimal alignment, with the sequence having at least 80% identity, after optimal alignment, with the sequence that hybridizes under stringent conditions with the uncleotides, or the complement, or corresponding RNA, of the nucleotides or the nucleotides are used as probes or primers for detecting, of annitifying and/or amplifying nucleic acids, as in vitro sense and antisense sequences, of nucleotides involved in tumour corpuspations or reversion, apoptosis and or viral resistance, to produce experimental models. The nucleotides (also vectors containing the mand corpuspatides and on thouse calls containing the vectors), the encoded polypeptides and antibodies of viral infections or diseases characterized by development of tumours or call degeneration (e.g. Alzheimer's disease or schizophrenia).

Corporations or diseases the nucleotides can be used for diagnosis and/or prognosis of these diseases. The nucleotides can be used for diagnosis also be used to screen for their specific interactive molecules, the containing diseases associated with abnormal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ö
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                                                                                                                                                                                                                                                                   New nucleic acid encoding human prostate membrane-specific antigen, useful e.g. for treatment of tumors and viral infection, also related
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0.3%; Score 15.4; DB 1; Length 17; 94.1%; Pred. No. 3.4e+02;
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                                                                                                                                                                                                                                                                                                                                                                                                                          Disclosure; Page 396; 771pp; French.
                                                                                                                                       Tuijnder M;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           3061 GATCTTGTTAAACCAA 3077
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                                                                (MOLE-) MOLECULAR ENGINES LAB
17-SEP-2001; 2001FR-00011981.
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Matches 16; Conservative
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                                                                                                                                                                                                                                                                                                                    useful e.g. for treatment o polypeptide and antibodies.
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                                                                                                                                           Amson R,
                                                                                                                                                                                                           WPI; 2003-441574/41.
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                                                                                                                                               Telerman A,
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The invention relates to a DNA (I) encoding a protein (II) having juvenile-hormone acid transmethylase activity selected from the DNA from silkworm (Bendbyx mori), Drosophila melanogaster, mosquito (Anopheles gambiae), Spodoptera litura and Helicoverpa armigera, their encoded proteins (S2), DNAs (D2) that hybridize under stringent conditions with the nucleic acids or an amino acid sequence (S3) comprising any one of (S2) in which one or more amino acids are substituted, deleted, inserted and/or added. (I) is useful for screening a compound that controls the expression level of (I), and as a controlling agent of molting and transformation, reproductive, diapause, blastogenesis, action, polymorphism or lifetime of arthropod. (II) is useful for screening a compound having binding affinity with respect to (II), which involves contacting test compound that controls the binding of (II) which involves useful for screening a compound that controls the activity of involves contacting test compound with (II), measuring the activity of (II), and selecting the compound with (II), measuring the activity of (II), and selecting test compound with (II), measuring the activity of (II), and selecting test compound with (II), measuring the activity of (II), and selecting test compound that decreases or increases the activity of (II), and selecting the compound that decreases or increases.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      of (II), based on comparison of the activity of (II) in absence of test compound. (II) is useful for manufacturing activated juvenile hormone. This sequence corresponds to a PCR primer used to amplify and isolate the transmethylase cDNA from the silkworm Bombyx mori.
                                                                                                                                                                                                                                                     New DNA encoding protein having juvenile-hormone acid transmethylase activity, useful for screening for a compound controlling the expression level of juvenile-hormone acid transmethylase DNA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Osteocalcin; osteonectin; osteopontin; bone morphogenic protein; BMP; parathyroid hormone receptor; alkaline phosphatase; procollagen; human; osteoblast precursor cell; OPC; bony defect; osseous defect; traumatic bone loss; congenital insufficiency; malformation; osteoporosis; surgical resection; traumatic avulsion; PCR primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0.3%; Score 15.4; DB 1; Length 17; 94.1%; Pred. No. 3.4e+02; tive 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 17 BP; 0 A; 1 C; 1 G; 15 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Procollagen I reverse transcriptase PCR primer #1.
                                                                                                                                                                                                                                                                                                                                                              Example 1; SEQ ID NO 11; 118pp; Japanese
                                                                                                                   (NAAG-) NAT AGRIC RES ORG JAPAN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             5023 GTAAAAAAAAAAAA 5039
                                                                      20-JAN-2003; 2003WO-JP000415.
                      20-JAN-2003; 2003WO-JP000415
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Local Similarity 94.1 les 16; Conservative
                                                                                                                                                                  Itoyama K,
                                                                                                                                                                                                               WPI; 2004-580727/56.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Homo sapiens
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
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Matches
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defects comprising a porous matrix and a cell that is committed to an osteogenic lineage. The composition is useful for healing a bone defects, especially those caused by osteogenical lineage. The composition is useful for healing a bone defects, especially those caused by osteogenical lineage. The compositions assist in the repair and regeneration of bone. Osteoblast compositions assist in the repair and regeneration of bone. Osteoblast individual where OPC's are numerically deficient or functionally impaired. OPC's can be administered to express BMP to repair bone defects. The implant is useful for promoting vascular ingrowth and bone composition, especially in treating bone defects e.g. osteopenic spine. The composition promotes vascular ingrowed bone formation without becoming a barrier to the progression of bone formation. Opc's can be gently introduced into the cavity without disrupting the cells in the suspension and they also encourage additional bone formation in the surpension and they also encourage additional bone formation in the surpension and they also encourage additional bone formation in the surpension and they also encourage additional bone formation in the surpension and they also encourage additional bone formation in the surpension and they also encourage additional bone formation in the surpension and they also encourage formation in expression of the present sequence represents a reverse transcription of the present sequence represents a reverse transcription of the present sequence represents a reverse transcription and they also account to the present sequence represents a reverse transcription are sequenced to present sequenced to the presen
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                         The present invention describes composition (I) for treating osseous
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human obesity-associated biallelic marker upstream PCR primer #151.
                                                                                                                                                                                                                                                                                      Composition for treating osseous defects e.g. traumatic bone loss, congenital insufficiency and/or malformations.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 15.4; DB 1; Length 18; Pred. No. 3.4e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 18 BP; 7 A; 4 C; 5 G; 2 T; 0 U; 0 Other;
                                                                                                                                                                                   Wong SC;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0; Mismatches
                                                                                                                                                                                   Frank E,
                                                                                                                                                                                                                                                                                                                                                                     Example 2; Page 23; 81pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1912
                                                                                                                             (UYOR-) UNIV.OREGON HEALTH SCI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ВР.
  99WO-US002946.
                                                   98US-0074240P.
98US-0074451P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match 0.3%;
Best Local Similarity 94.1%;
Matches 16; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    21-MAY-2002 (first entry)
                                                                                                                                                                                 Winn SR,
                                                                                                                                                                                                                                     WPI; 1999-494212/41.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WO200206525-A2.
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                                                                                                                                                                                 Hollinger JO,
  10-FEB-1999;
                                                   10-FEB-1998;
                                                                               12-FEB-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 24-JAN-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ABK41074;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           RESULT 517
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ABK41074
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Gaps

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Sequence 18 BP; 3 A; 6 C; 2 G; 7 T; 0 U; 0 Other;
                                           Example 2; Page 258; 311pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                   Example 2; Page 34; 58pp; English
                                                                                                                                                                       4144 CACCCTCTGTATCAGTC 4160
                                                                                                                                                                              CACCCTTTGTATCAGTC 18
                                                                                                                                                  0.3%; 94.1%; 1
                                                                                                                                                                                                                ABZ77709 standard; DNA; 18 BP
                                                                                                                                                                                                                                                                             Kaposi's sarcoma herpesvirus.
                                                                                                                                                                                                                                                                                                                05-AUG-2002; 2002WO-GB003594
                                                                                                                                                                                                                                                                                                                           03-AUG-2001; 2001GB-00019038
                                                                                                                                                                                                                                                                                                                                      (UNIC ) UNIV COLLEGE LONDON
                                                                                                                                                                                                                                      (first entry)
                                                                                                                                                     Local Similarity 94.1 nes 16; Conservative
                                                                                                                                                                                                                                                                                                                                                                                         herpesvirus infection
                                                                                                                                                                                                                                                                                                                                                            WPI; 2003-289909/28
                                                                                                                                                                                                                                                                                         WO2003014154-A2
                                                                                                                                                                                                                                      17-JUN-2003
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                                                                                                                                                                                                                                                                    primer; ss
                                                                                                                                                                                                                                                                                                                                                  Boshoff C;
                                                                                                                                                                                   N
                                                                                                                                                                                                                           ABZ77709;
                                                                                                                                                  Query Match
                                                                                                                                                             Matches
                                                                                                                                                                                                      RESULT 518
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Interference RNA agent useful for treating dyslipidemias, coronary artery disease, diabetes, cancer or neurological disease, comprises sense sequence and antisense sequence which has specific modifications.
gene encodes an antigenic polypeptide, which is used to derive formulae for KSHV epitopes that are recognised by CD8 T cells. Polypeptides comprising the epitope are useful for producing a vaccine against KSHV. They are also useful for stimulating dendritic cells or T lymphocytes ex
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           coronary artery disease; CAD; coronary heart disease; CHD; atherosclerosis; hepatic glucose production; glucose-metabolism-related disorder; diabetes; cancer; breast cancer; colon cancer; lung cancer; neurological disease; Huntington disease; spinocerebellar ataxia; viral disease; AIDS; apolipoprotein B; apoB; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            antilipemic; cardiant; vasotropic; antiarteriosclerotic; antidiabetic;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                cytostátic; anticonvulsant; nootropic; muscula; anti-HIV; RNA interference; iRNA; antisense technology; lipid metabolism; cholesterol imbalance; dyslipidaemia hypercholesterolaemia;
                                                                                                                                                                            Length 18;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human apolipoprotein B (ApoB) oligonucleotide segid 1061.
                                                                                                                                                                                                                      1; Indels
                                                                                                                                Sequence 18 BP; 3 A; 5 C; 5 G; 5 T; 0 U; 0 Other;
                                                                                                                                                                            0.3%; Score 15.4; DB 1;
4.1%; Pred. No. 3.4e+02;
                                                                                                                                                                                                                      0; Mismatches
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                                                                                                                                                                                                                                                                  1955 TTCTGCCAGGCATAGCC 1971
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2003US-0454265P.
2003US-0454265P.
2003US-0455050P.
2003US-0462894P.
2003US-0463742P.
2003US-0463612P.
2003US-0469612P.
2003US-04694597P.
2003US-0494597P.
2003US-0494597P.
2003US-0506341P.
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07-NOV-2003; 2003US-0518453P.
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                                                                                                                                                                                                  Best Local Similarity 94.1%;
Matches 16; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                 ADR76576 standard; DNA; 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (ALNY-) ALNYLAM PHARM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         WPI; 2004-677362/66.
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13-MAR-2003; 2
13-MAR-2003; 2
14-APR-2003; 2
17-APR-2003; 2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   25-APR-2003;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     07-MAR-2003;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Homo sapiens
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   16-DEC-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADR76576;
                                                                                                                                                                                     Query Match
                                                                                                                                                                                                                                                                                                                                                                          RESULT 519
ADR76576
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                                                                                                                                                                                                                        The invention relates to a set of novel map-related biallelic markers, preferably located on obesity disorder-associated chromosomal regions on chromosomes 3, 10 and 19. The markers are useful for genotyping or assimating the frequency of an allele in a population, for detecting an association between a genotype or haplotype and a phenotype, e.g. a disease involving drug responses, obesity or disorders related to obesity, such as hypertricaemia, digestive pathology, hepatic function disorders, cancer, cardiovascular disease, hypertrenation, hypertlipidaemia, insulin disorders, atheromatous disease and cardiac insufficiency. The markers are useful for detecting a statistical correlation between a biallelic marker allele and a phenotype and/or between a biallelic marker haplotype and a phenotype and/or between a biallelic marker haplotype and a phenotype and marker
                                                                  Set of novel map-related biallelic markers, preferably located on obesity disorder-associated chromosomal regions on chromosomes 3, 10 and 19, useful, for e.g. detecting statistical correlations between marker allele and a phenotype.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        New polypeptides and expression vectors with an epitope sequence recognized by a CD8 T cell, useful in the manufacture of a vaccine for the prophylactic and/or therapeutic treatment of Kaposi's sarcoma
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Epitope; KSHV; CD8 T cell; vaccine; dendritic cell; T lymphocyte; PCR;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PCR primers ABZ77709-10 used in a nested PCR reaction to amplify fragments of the K1 gene of Kaposi's sarcoma herpesvirus (KSHV). This
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PCR primer used to amplify a fragment of the K1 gene of KSHV.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 15.4; DB 1; Length 18;
Pred. No. 3.4e+02;
0; Mismatches 1; Indels
                                              WPI; 2002-155043/20
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The invertical describes a raw interiestric (intal) again (in comprising a genee sequence and an antisense sequence, where the sense sequences have one or more asymmetrical 2'-O alkyl modifications, the antisense sequence and the antisense sequence targets a human gene sequence. Also described and the antisense sequence targets a human gene sequence. Also described are: a pharmaceutical preparation comprising (1); reducing (M1) apos-100 levels or glucose-6-phosphates levels in a subject, producing (I); the producing one or more asymmetrical modification in the sequence, where the modification decreasing (I), involves selecting a sequence with activity and control one or more asymmetrical modification in the sequence, where the modification decreasing (I) and instruction for its use; and a device the modification decreases nuclease sensitivity while not decreasing its activity; a kit comprising (I) and instruction for its use; and a device the capturing apos-100 levels or glucose-6-phosphates levels. (M1) is useful for reducing apos-100 levels or glucose-6-phosphates levels. (M2) is useful for reducing apos-100 levels or glucose-6-phosphates levels. (M3) is useful for reducing apos-100 levels or glucose-6-phosphates levels. (M3) is useful for reducing apos-100 levels or glucose-6-phosphates levels. (M3) is useful for otherwise unwanted expression of apos-100, elevated or otherwise unwanted disorder is chosen from the HDL/LDL cholesterol imbalance, disorder is chosen from the HDL/LDL cholesterol imbalance, dyslightedmisa, hypercholesterolaemia, coronary attery disease (CM3), oconary hart companies. (C1) is useful for related disorder e-g. diabetes or type-2 diabetes or treating the diseases as mentioned above, cancer (e-g. breast, co
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  invention describes a RNA interference (iRNA) agent (I) comprising a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   antilipemic; cardiant; vasotropic; antiarteriosclerotic; antidiabetic; cytostatic; anticonvulsant; nootropic; muscula; anti-HIV; RNA interference; iRNA; antieense technology; liptid metabolism; cholesterol imbalance; dyslipidaemia hypercholesterolaemia; coronary artery disease; CAD; coronary heart disease; CHD; atherosclerosis; hepatic glucose production; glucose-metabolism-related disorder; diabetes; cancer; breast cancer; ollon cancer; lung cancer; neurological disease; Huntington disease; spinocerebellar ataxia; viral disease; AIDS; apolipoprotein B; apoB; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0.3%; Score 15.4; DB<sup>T</sup>1; Length 19;
44.1%; Pred. No. 3.5e+02;
ve 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Human apolipoprotein B (ApoB) oligonucleotide segid 4012.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 19 BP; 6 A; 6 C; 4 G; 3 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  541 CTAAAGACCACAGAGGT 557
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                crcaagaccacagaggr 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADR79520 standard; DNA; 19 BP
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12-WAR-2003; 2003US-0454265P.
13-WAR-2003; 2003US-0454962P.
13-WAR-2003; 2003US-0452562P.
14-APR-2003; 2003US-0462894P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    94.18;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    16-DEC-2004 (first entry)
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Best Local Similarity 94.1
Matches 16, Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              23-SEP-2004.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           RESULT 520
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The invention describes a RNA interference (iRNA) agent (I) comprising a sense sequence and an antisense sequence, where the sense sequences have con sor more asymmetrical 2'-O alkyl modifications, the antisense cone or more asymmetrical phosphorothioate modifications and the antisense sequence targets a human gene sequence. Also described are: a pharmaccutical preparation comprising (I); reducing (M1) apos-100 stabilising or glucose-6-phosphatase levels in a subject; producing (I); crabilising (I), involves selecting a sequence with activity and introducing one or more asymmetrical modification in the sequence, where the modification decreases nuclease sensitivity while not decreasing its activity; a kit comprising (I) and instruction for its use; and a device that can be dispense or administer a composition comprising (I). (I) is a useful for reducing apos-100 levels or glucose-6-phosphatase levels. (M1) is useful for reducing apos-100 levels or glucose-6-phosphatase levels. (M1) is useful for reducing apos-100 levels or glucose-6-phosphatase levels. (M1) is useful for reducing apos-100 levels or glucose-6-phosphatase levels. (M2) is useful for reducing apos-100 levels or glucose-6-phosphatase levels. (M3) is useful for seducing apos-100 levels or glucose-6-phosphatase levels. (M3) is useful for cherwise unwanted expression of apos-100, elevated or otherwise unwanted expression of apos-100, clevated or otherwise unwanted cyclosterolesterolasma, acronary artery disease (CHD) and atherosclerosis. (I) is administered to a subject to inhibit hepatic glucose production or for treating glucose-metabolism. Colonary heart colonary artery disease (HD) and atherosclerosis. (I) is administered to a subject to inhibit hepatic glucose production or for treating glucose-ended or otherwise unwanted disease (HD) and atherosclerosis. (I) is administered to a subject to inhibit hepatic glucose production or for treating glucoses or craating the diseases as mentioned above, cancer (e.g. presented and presented and presented or 
                                                                                                                                                                                                                                                                                                                                                                          Interference RNA agent useful for treating dyslipidemias, coronary artery disease, diabetes, cancer or neurological disease, comprises sense sequence and antisense sequence which has specific modifications.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gape
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0.3%; Score 15.4; DB 1; Length 19; 94.1%; Pred. No. 3.5e+02; ive 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 19 BP; 6 A; 6 C; 4 G; 3 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   can be used to control ApoB gene expression.
                                                                                                                                                                                                                                                                                                                                                                                                                                                             Example 5; SEQ ID NO 4012; 378pp; English
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                                                         2003US-0469612P-
2003US-0493986P-
2003US-049397P-
2003US-0504341P-
2003US-0510246P-
2003US-0510318P-
2003US-0510318P-
                       2003US-0465665P
2003US-0465802P
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Best Local Similarity 94.1'
Matches 16, Conservative
                                                                                                                                                                                                                                                                                       Manoharan M, Bumcrot D;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Urease gene PCR primer.
                                                                                                                                                                                                                                           (ALNY-) ALNYLAM PHARM.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (revised)
                                                                                                                                                                                                                                                                                                                            WPI; 2004-677362/66.
                       25-APR-2003;
25-APR-2003;
                                                                                       08-AUG-2003;
                                                                                                          11-AUG-2003;
26-SEP-2003;
                                                                                                                                                   09-OCT-2003;
                                                                                                                                                                                                 07-NOV-2003;
                                                                09-MAY-2003;
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New antisense compounds targeting nucleic acids encoding human P13 kinase
p110 delta useful for treating a disease or condition associated with P13
                                                                                                                                                         Forward primer 3F (AAT45687), which incorporates a 5' BamHI site, and reverse primer 3R (AAT45688), which carries HindIII and PstI sites, were used for the PCR amplification of a 685 bp fragment of the N-terminal portion of the urease subunit B (UreB) gene (excluding the ATG codon) of Helicobacter felis (see also AAT45680). This was used with a previously obtd. UreB fragment in pILL219 to obtain a clone capable of synthesising cloned into pWAL to allow prodon. of UreB as a maltose binding protein fusion in E. coli. UreB can be used in novel compsns. for the treatment and prevention of Helicobacter infections
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            /note= "Optionally 2'-methoxyethyl (2'-MOE) nucleotides"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        nucleotides"
New immunogenic compsn. contg. UreB and HspA antigens of Helicobacter for treatment and prevention of esp. H pylori infection, also new antibodies specific for these antigens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Phosphatidyl inositol 3 kinase; P13K; antisense oligonucleotide; P110 catalytic subunit; treatment; rheumatoid arthritis; asthma; research; diagnostic; infection; inflammation; tumour formation; inhibitor; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
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/note= "Phosphorothioate internucleoside linkage"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (2'-MOE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 20;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PI3K antisense inhibitor oligonucleotide ISIS# 32120.
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/note= "Optionally 2'-methoxyethyl
                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 20 BP; 8 A; 4 C; 4 G; 4 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 15.4; DB 1;
Pred. No. 3.5e+02;
0; Mismatches 1;
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1. 20
/*tag= a
                                                                                                                       Example 2; Page 116; 184pp; English.
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/mod_base= OTHER
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Match 0.3%;
Local Similarity 94.1%;
Les 16; Conservative (
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                17-JUL-2000 (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 DNA from Helicobacter pylori and Helicobacter felis - used to develop prods. for detection, treatment and prevention of Helicobacter infection.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           The primers given in AAQ75322-27 were used in PCR-based amplification of urease-encoding nucleotide sequences of Helicobacter pylori and Helicobacter felis. (Updated on 25-MAR-2003 to correct PN field.)
                                                    immunogen; vaccine; diagnostic; primer; amplification; PCR; see chain reaction; Helicobacter pylori; Helicobacter felis; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Urease; UreB; vaccine; immunogen; antibody; chronic gastritis; ulcer; Helicobacter felis; polymerase chain reaction; PCR; primer; ds.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 20 BP; 8 A; 4 C; 4 G; 4 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Ferrero R, Thiberge J;
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(INRM ) INST NAT SANTE & RECH MEDICALE.
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(INRM ) INST NAT SANTE & RECH MEDICALE.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Helicobacter UreB gene PCR primer 3F.
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95US-00447177
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                                                                                                                                                                                                                                                                                                       94WO-EP001625.
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nes 16; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Labigne A, Suerbaum S,
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19-MAY-1995;
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                                                                                                                                                                                                WO9426901-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     07-NOV-1996.
                                                                                                                                                                                                                                                                                                       19-MAY-1994;
                                                                                                                                                                                                                                                                                                                                                            .9-MAY-1993;
                                                                                                                                                                                                                                                                                                                                                                                     19-NOV-1993;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         07-MAR-1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Labigne A,
                                                                                                                                                                                                                                                     24-NOV-1994.
                                                                                      polymerase
                                                                                                                                              Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               18
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
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Matches
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This sequence represents a phosphatidyl inositol 3 kinase (PI3K)
targeting antisense oligonucleotide. Phosphatidyl inositol 3 kinases act
as downstream effectors of hormone and growth factor receptors, and have
been implicated in growth factor mediated cell transformation, and
mitogenesis, protein trafficking, cell. Survival and proliferation, and
mitogenesis, protein trafficking, cell. Survival and proliferation, and
cell any other cellular activities. PI3K is a heterodimer, consisting of a
llokD catalytic subunit (pl10), and an 85kD regulatory subunit (p85). The
invention relates to antisense oligonucleotides which target the pl10
cell any various regions of the PI3K mRNA sequence, and inhibit the
cexpression of PI3K. The antisense oligonucleotides may be used to treat
a naimal, particularly human, suspected of having or being prone to a
disease or condition associated with the expression of P13K. The
modulation (preferably inhibition) of the expression of P13K. The
modulation (preferably inhibition) of the expression of P13K. The
coll architical compositions and formulations, in the preparation of
kits for detecting the level of P13K in a sample, and as prophylaxis,
cell to prevent or delay infection, inflammation or tumour formation.
Antisense oligonucleotides, which are able to inhibit gene expression
specifically, are used to elucidate the function of particular genes, and
construction of particular genes, and
constructions of various members of a biological
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            A novel protein associated to hereditary spastic paraplegia used for the diagnosis of neurodegenerative conditions.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Forward primer aa2; paraplegin; human; hereditary spastic paraplegia; HSP; mutation; diagnosis; treatment; neurodegenerative condition; Amyotrophic Lateral Sclerosis; ALS; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
kinase pl10 delta expression, e.g. rheumatoid arthritis, asthma
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Forward primer aa2 for amplification of paraplegin gene exon.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0.3%; Score 15.4; DB 1; Length 20; 94.1%; Pred. No. 3.5e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 20 BP; 2 A; 8 C; 6 G; 4 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0; Mismatches
                                             Example 15; Col 40; 35pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        19 GAATTCGGCACGAGGGG 35
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAZ28930 standard, DNA; 20 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    99WO-EP003112.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   20 GAATTCGGCACGAGCGG 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                98IT-MI001003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     94.18;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Local Similarity 94.1
les 16; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Casari G;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (TELE-) FOND TELETHON
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WPI; 2000-039065/03
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    07-FEB-2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    06-MAY-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                08-MAY-1998;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Ballabio A,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         18-NOV-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAZ28930;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            pathway
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AAZ28930
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AAZ65654 to AAZ69578 represent human biallelic markers from the present invention, which contain a polymorphic base at position 24 of their nucleotide sequences. AAZ69579 to AAZ7740 represent amplification primers for the biallelic markers. The biallelic markers of the invention primers for the biallelic markers. The biallelic markers of the invention have a variety of uses: they can be used for high density mapping of the have a variety of uses: they can be used for high density mapping of the human genome, and in complex association studies and haploryping studies which are useful in determining the genetic basis for disease states. Compositions and methods of the invention can also be useful for the identification of the targets for the development of pharmaceutical agents methods, as well as the characterisation of the differential efficacious responses to and side effects from pharmaceutical agents acting on a disease as well as other treatment.

(N.B. The SEQ ID NOS 2852, 2913, 2974, 3035, 3096, 3157, 3227, 3297 and present invention
                                                                                                                                                                                                                                   ô
                                  The present sequence is a forward primer aa2 used for amplification and detection of mutations in paraplegin gene exon from hereditary spastic paraplegia (HSP) patients. Detection of mutations in paraplegin gene helps in the diagnosis and treatment of various forms of HSP or other neurodegenerative conditions, such as Amyotrophic Lateral Sclerosis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Novel biallelic markers used to construct a high density disequilibrium
                                                                                                                                                                                                                                     Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Human biallelic marker upstream amplification primer SEQ ID NO:6200.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human genome, biallelic marker; high density disequilibrium map, genomic map, haplotype, phenotype, polymorphic base; genotyping; hybridisation; identification; characterisation; amplification; single nucleotide polymorphism; SNP, PCR primer;
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                                                                                                                                                                                      0.3%; Score 15.4; DB 1; Length 20;
44.1%; Pred. No. 3.5e+02;
ve 0; Mismatches 1; Indels
                                                                                                                                                    Sequence 20 BP; 3 A; 8 C; 4 G; 5 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Chumakov I;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Claim 9; Page 1553; 2745pp; English.
                                                                                                                                                                                                                                                                       1715 CATCCTGCCTACAGACC 1731
  Claim 4; Fig 3; 53pp; English.
                                                                                                                                                                                                                                                                                                           17
                                                                                                                                                                                                                                                                                                                                                                                                         AAZ71844 standard; DNA; 20 BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       98US-0082614P.
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                                                                                                                                                                              Query Match
Best Local Similarity 94.1%;
Matches 16; Conservative
                                                                                                                                                                                                                                                                                                     1 CATCCTGCCTACTGACC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Blumenfeld M,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      map of the human genome.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WPI; 2000-013267/01.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (GEST ) GENSET.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             diagnosis; ss
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       W09954500-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   21-APR-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    10-SEP-2001
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23-NOV-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             28-OCT-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                AAZ71844;
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                                                                                                                                                                                                                                                                                                                                                                     RESULT 525
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8X00000X8
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Matches

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The invention relates to a novel isolated or recombinant mucleic acid compensation an AWGE, CLLD8 or CLLD7 mRNA, or ANGE-CLLD8, ANGE-CLLD7, CLLD7, CLLD7, CLLD7, CLLD7, CLLD7, CLLD7-CLLD8, or ANGE-CLLD8 -CLLD7 hybrid mRNA sequence, its complement, homologue or fragment. The novel nucleic acid sequences have the following activities: antiallergic, antiatheric, dermatological, antipyretic, and antiniflammatory. The nucleic acids of the invention may consider in gene therapy to treat disorders The nucleic acid sequences are useful for screening agents that inhibody is useful for treating CANGE, CLLD8 or CLLD7 gene. The agent or antibody is useful for treating considered in an assay detecting or measuring the polypeptide in the sample. The host cell is useful for producing, regulating and analyzing the collypeptide. The splice variant of ANGE, CLLD8, or CLLD7; is useful for producing asthma, acopy, a form of atopic disease or collypanes. The splice variant of ANGE, CLLD8, or CLLD7; is useful for non-atopic asthma, or predicting the severity, or predisposition to a con-atopic asthma, or predicting the severity, or predisposition to a semmilification of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         New nucleic acid sequence comprising an ANGE, CLLD8 or CLLD7 mRNA, or their hybrid, useful for screening agents for treating IgE-mediated diseases, e.g. asthma, atopy, hay fever, eczema, atopic dermatitis, or allergic rhinitis.
                                                              ANGE, CLLD8; CLLD7; ANGE-CLLD8; ANGE-CLLD7; CLLD7-CLLD8; ANGE-CLLD8-CLLD
            exon 12 and ANGE exon 3 SNP identification primer #103
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0.3%; Score 15.4; DB 1; Length 20; 94.1%; Pred. No. 3.5e+02; ve 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Human TRIP6 antisense oligonucleotide ISIS #198761.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 20 BP; 5 A; 5 C; 3 G; 7 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Cookson W, Tinsley J;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Disclosure; Page 408; 429pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   exemplification of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              2636 ATGTCTACTGTAAACTG 2652
                                                                                                                                                                                                                                                                                                                                                                                                   21-JUN-2002; 2002WO-GB002859.
                                                                                                                                                                                                                                                                                                                                                                                                                                                           21-JUN-2001; 2001GB-00015211.
21-JUN-2001; 2001GB-00015212.
21-JUN-2001; 2001GB-00015213.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ilarity 94.1%;
Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (ISIS-) ISIS INNOVATIONS LTD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ACC82889 standard; DNA; 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Moffatt M,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WPI; 2003-201405/19.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Local Similarity
hes 16; Conserv
                                                                                                                                                                                                                                                                                          WO2003000727-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       27-AUG-2003
                                                                                                                                                                                                                                  Unidentified
                                                                                                                                                                                                                                                                                                                                                  03-JAN-2003
                                                                                                                                                                       primer; 88.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ACC82889;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Zhang Y,
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ID ACC8
XX
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    The present invention relates to a new compound which is targeted to a nucleic acid molecule encoding RECQL5 and hybridises with and inhibits the expression of RECQL5. The compound is useful for preventing or tracting an animal having a disease or condition associated with RECQL5 e.g. tumour or inflammation. The present nucleic acid sequence represents a human RECQL5 mRNA inhibition oligonucleotide of the invention
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         A compound, which hybridizes with and inhibits the expression of RECQL5 gene, useful for preventing or treating an animal having a disease or condition associated with RECQL5 e.g. tumor or inflammation.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Human RECQL5 inhibition chimeric phosphorothioate oligonucleotide #51.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                        Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RECQL5; tumour; inflammation; cytostatic; antiinflammatory; RECQL5-inhibitor; human; ss.
                                                              Length 20;
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      Sequence 20 BP; 6 A; 7 C; 0 G; 7 T; 0 U; 0 Other;
                                                          0.3%; Score 15.4; DB 1;
94.1%; Pred. No. 3.5e+02;
tive 0; Mismatches 1;
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                                                                                                                                                                                      4356 GAAAATAAGGTTTTGGG 4372
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                                                                                                                                                                                                                                              GANATANTGTTTTGGG
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Best Local Similarity 94.1
Matches 16; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (first entry)
                                                                                                                               16; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WPI; 2002-750450/81.
                                                                          Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Ward DT, Watt AT;
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Synthetic.
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Gaps

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RESULT 527 ADG70287/c

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(first entry)

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antisense oligonucleotide, glucocorticoid receptor; infection;
hillammation; tumour formation; diabetes; obselty;
cardiovascular disorder; hyperlipidaemia; Cushing's syndrome; human; ss;
phosphorothioate backbone; 2'-methoxyethyl; 2'-MOE.
                                               Human glucocorticoid receptor-specific antisense oligonucleotide #3190.
                   25-MAR-2004
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ઠ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  The invention relates to antisense compounds targetted to a nucleic acid encoding thyroid hormone receptor interactor 6 (TRIP6) to inhibit its expression. TRIP6 is also known as OPA-interacting protein-1 (OIP-1) and zyxin-related protein-1 (ZRP-1). TRIP6 DNA is located on chromosome 7q22. Antisense compounds of the invention are useful for modulating the expression of TRIP6 and for treating diseases or conditions associated with the expression of TRIP6 such as hyperproliferative disorders (e.g. cancer). They are useful for diagnostics, therapeutics, prophylaxis e.g. to prevent or delay infection, inflammation or tumour formation, as tresearch reagents and kits and in distinguishing between functions of various members of a biological pathway. The are also useful in antisense therapy. The present sequence is an antisense oligo targetted to human TRIP6 DNA. This oligo is used in the exemplification of the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 New antisense oligonucleotides targeted to nucleic acids encoding thyroid hormone receptor interactor 6, useful for diagnosing or treating hyperproliferative disorders, such as cancer.
                                                                                                                                                                           /note= "Phosphorothioate backbone; All cytidine residues are 5-methylcytidines"
Human; antisense; thyroid hormone receptor interactor 6; TRIP6; tumour; OPA-interacting protein-1; OIP-1; zyxin-related protein-1; prophylaxis; inflammation; therapy; hyperproliferative disorder; infection; cancer; chromosome 7q22; ZRP-1; phosphorothioate; ss.
                                                                                                                                                                                                                                                                                                             /note= "2'-methoxyethyl (2'-MOE) nucleotides"
                                                                                                                                                                                                                                                   /note= "2'-methoxyethyl (2'-MOE) nucleotides'
16. .20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0.3%; Score 15.4; DB 1; Length 20; 94.1%; Pred. No. 3.5e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 20 BP; 8 A; 3 C; 3 G; 6 T; 0 U; 0 Other;
                                                                                                                  Location/Qualifiers 1.20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Example 15; Page 76; 111pp; English
                                                                                                                                                             OTHER
                                                                                                                                                                                                                                       /mod_base= OTHER
                                                                                                                                                                                                                                                                                               /mod_base= OTHER
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/mod_base=
                                                                                                                                                                                                                                                                                   /*tag=
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Best Local Similarity
Matches 16; Conserv
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                                                                                                                  Key
modified_base
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                                                                         Homo sapiens.
Synthetic.
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                                                                                                                                                                                                                                                                                                                                                                                          New antisense compound targeted to a nucleic acid molecule encoding mammalian glucocorticoid receptor, useful for treating diabetes, obesity, cardiovascular disorder, hyperlipidemia or Cushing's syndrome.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         antisense oligonucleotide; glucocorticoid receptor; infection; finfiammation; tumour formation; diabetes; obesity; cardiovascular disorder; hyperlipidaemia; Cushing's syndrome; human; ss; phosphorothioate backbone; 2 -methoxyethy1; 2 -MOE.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Human glucocorticoid receptor-specific antisense oligonucleotide #3739.
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Pred. No. 3.5e+02;
0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 20 BP; 3 A; 9 C; 3 G; 5 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Claim 4; SEQ ID NO 3190; 985pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                4221
                                                                                                                                             20-MAY-2003; 2003WO-US016084.
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                                                                                                                                                                                                                                                                                                Crosby SD, Nalseth AE;
                                                                                                                                                                                                                                             (PHAA ) PHARMACIA CORP
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Best Local Similarity
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                                           WO2003099215-A2
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Homo sapiens.
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                                                                                            04-DEC-2003
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Gaps

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1; Indels

0; Mismatches

2699 AAAGAAACTTGTTCTG 2715

16; Conservative

AAAGAAACTTTTCTG

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ADH66356 standard; DNA; 20 BP.

RESULT 529
ADH66356/c
ID ADH6631
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AC ADH6631

ADH66356

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New antisense oligonucleotide for modulating endothelial lipase expression, for diagnosing, preventing or treating e.g. dyslipidemia, low high density lipoprotein or cardiovascular disorders.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Antilipaemic; Cardiovascular; Analgesic; Antianginal; Antisense therapy; Human; Endothelial Lipase; dyslipidaemia; high density lipoprotein; {\rm HDL}_{\circ} cardiovascular disorder; metabolic syndrome X; ss.
                                                                                                                                                                                                         The present invention relates to antisense oligonucleotides (ADJ21603-ADJ25510) targeted to human Endothelial Lipase (EL) coding sequence (ADJ25517), where the antisense oligonucleotide specifically Mybridises with and inhibits the expression of EL. The antisense oligonucleotides are useful for modulating the expression of endothelial lipase in cells or tissues to treat diseases associated with EL expression, such as dyslipidaemia, low high density lipoprotein (HDL), cardiovascular disorder or metabolic syndrome X. In addition, the oligonucleotides are used for diagnostics, prophylaxis, or as research reagents or kits.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          New antisense oligonucleotide for modulating endothelial lipase
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Human endothelial lipase antisense oligonucleotide, SEQ ID 1313.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0.3%; Score 15.4; DB 1; Length 20;
94.1%; Pred. No. 3.5e+02;
tive 0; Mismatches 1; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 20 BP; 7 A; 5 C; 2 G; 6 T; 0 U; 0 Other;
                                                                                                                                                                               Claim 3; SEQ ID NO 1453; 1007pp; English.
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/*tag= a
/mod_base= OTHER
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Best Local Similarity 94.1
Matches 16; Conservative
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                 Bhat BG;
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                                                                                                                                                                                                                             New antisense compound targeted to a nucleic acid molecule encoding mammalian glucocorticoid receptor, useful for treating diabetes, obesity, cardiovascular disorder, hyperlipidemia or Cushing's syndrome.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Antilipaemic; Cardiovascular; Analgesic; Antianginal; Antisense therapy; Human; Endothelial Lipase; dyslipidaemia; high density lipoprotein; HDL; cardiovascular disorder; metabolic syndrome X; ss.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human endothelial lipase antisense oligonucleotide, SEQ ID 1453
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0.3%; Score 15.4; DB 1; Length 20; 94.1%; Pred. No. 3.5e+02; ive 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 20 BP; 4 A; 9 C; 3 G; 4 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                        Claim 4; SEQ ID NO 3739; 985pp; English.
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                          20-MAY-2003; 2003WO-US016084
                                                                      20-MAY-2002; 2002US-0381857P
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Best Local Similarity 94.1
Matches 16; Conservative
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                                                                                                                                                         Crosby SD, Nalseth AE;
                                                                                                                 (PHAA ) PHARMACIA CORP
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ADJ23055;

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RESULT 531

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ADJ23055

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Gaps

gibbs-10-667-022-4.rng

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expression, for diagnosing, preventing or treating e.g. dyslipidemia, low high density lipoprotein or cardiovascular disorders.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      New antisense compound targeted to a nucleic acid molecule encoding abav. 3, useful for useful for treating a disease or condition associated with Navl. 3, e.g. pain, selzure disorder such as childhood seizure disorder, or ataxia.
                                                                                        The present invention relates to antisense oligonucleotides (AbJ21603-AbJ25510) targeted to human Endothelial Lipase (EL) coding sequence (AbJ25517), where the antisense oligonucleotide specifically Mybridises with and inhibits the expression of EL. The antisense oligonucleotides are useful for modulating the expression of endothelial lipase in cells or tissues to treat diseases associated with EL expression, such as dyslipidaemia, low high density lipoprotein (HDL), cardiovascular disorder or metabolic syndrome X. In addition, the oligonucleotides are used for diagnostics, prophylaxis, or as research reagents or kits.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Navl.3; Analgesic; Nootropic; Neuroprotective; post-herpetic neuralgia; diabetic neuropathy; arthritic pain; migraine headache; infantile epilepsy; ataxia; ss.
                                                                                                                                                                                                                                                                                                                                                                                 Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                present invention relates to an antisense compound targeted to
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Chimeric phosphorothioate oligonucleotide to target Navl.3 #8377.
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                                                                                                                                                                                                                                                                                                                                    0.3%; Score 15.4; DB 1; Length 20; 94.1%; Pred. No. 3.5e+02; ve. 0; Mismatches 1; Indels
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                                                       Claim 3; SEQ ID NO 1313; 1007pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                    983 CACACAAATCTGGAGTT 999
                                                                                                                                                                                                                                                                                                                                                                                                                                             CACACAAATCTGGACTT 19
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                                                                                                                                                                                                                                                                                                                                                                           16; Conservative
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Best Local Similarity
Matches 16; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        New antisense compound targeted to a nucleic acid molecule encoding about.3, useful for useful for teating a disease or condition associated with Navl.3, e.g. pain, seizure disorder such as childhood seizure disorder, or ataxia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Navl.3; Analgesic; Nootropic; Neuroprotective; post-herpetic neuralgia; diabetic neuropathy; arthritic pain; migraine headache; infantile epilepsy; ataxia; ss.
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sequence represents a chimeric phosphorothioate oligonucleotide with 2'MOS wings and a deoxy gap. Used during the antisense inhibition of human Navl.3 expression, the oligonucleotides are designed to target different regions of the human Navl.3 RNA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          2'MOE wings and a deoxy gap. Used during the antisense inhibition of human Nav1.3 expression, the oligonucleotides are designed to target different regions of the human Nav1.3 RNA.
                                                                                                                                                                    Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                             Chimeric phosphorothioate oligonucleotide to target Navl.3 #4096
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                                                                                                                        0.3%; Score 15.4; DB 1; Length 20;
94.1%; Pred. No. 3.5e+02;
ve 0; Mismatches 1; Indels
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                                                                                          Sequence 20 BP; 6 A; 4 C; 5 G; 5 T; 0 U; 0 Other;
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                                                                                                                                                                                                   4459 ACTGAAGTTGTCCAGGA 4475
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                                                                                                                                                                                                                                                                                                                                  BP.
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                                                                                                                                             Local Similarity 94.1%;
les 16; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                          (first entry)
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Matches 16; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Synthetic.
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                                                                                                                              Query Match
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Matches
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WPI; 2004-347928/32.
                                           WO2004030750-A1.
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                          Homo sapiens.
                                                              15-APR-2004
                                                                                                                                                                                                                                                                                                                                                                     invention.
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                                                                                                                                       Kane CD;
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                                                                                                                                                                                                                                                                                                                                                                          The present invention relates to an isolated nucleic acid with cytostatic action named cancer related gene-Liver 2 CRG-LZ. The polynucleotides and polypeptides are useful in diagnosing and treating cancer, e.g. breast, kidney, colon, preferably liver cancer. The present sequence represents a primer of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ss; antidiabetic; immunosuppressive; cardiovascular; antilipemic; antiarteriosclerotic; hepatotropic; litholytic; anorectic; neuroprotective; vasotropic; antisense; gene therapy; Parnesoid X receptor; diabetes; immunological disorder; cardiovascular disorder; dyslipidemia; atherosclerosis; high density lipoprotein; low density lipoprotein; hypercholesterolemia;
                                                                                                                                                                                                                                                                                                                               Cancer Related Gene-Liver 2 sequences, useful in diagnosing and treating cancer, e.g. breast, kidney, colon, preferably liver cancer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Farnesoid X receptor gene expression antisense inhibitory oligo #1468.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
                                                                                                                                                   Cytostatic; Cancer Related Gene; Liver; cancer; 11ver cancer; 88; Human cancer related gene-Liver 2; CRG-L2; primer.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 15.4; DB 1; Length 20;
Pred. No. 3.5e+02;
0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 20 BP; 7 A; 4 C; 7 G; 2 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                              Harkins-Perry SR;
                                                                                                                                                                                                                                                                                                                                                              Example; SEQ ID NO 9; 42pp; English
                                                                                                                                                                                                                                                                           (WISC ) WISCONSIN ALUMNI RES FOUND.
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            CACTGAAGTTGTCCAGG 4474
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Matches 16; Conservative
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                                                                           ADN12104 standard; DNA; 20
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                                                                                                                                   Primer of the invention #5
                                                                                                                 (first entry)
                                                                                                                                                                                                                                                                                              Graveel CR,
                                                                                                                                                                                                                                                                                                                  WPI; 2004-156548/15.
                                                                                                                                                                                                     WO2004008102-A2.
                                                                                                                                                                                                                                                           17-JUL-2002;
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                                                                                                                  17-JUN-2004
                                                                                                                                                                                                                       22-JAN-2004
                                                                                                                                                                                   Synthetic
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                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
                                                                                               ADN12104;
             4458
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                                                                    RESULT
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The invention relates to an antisense compound 8-30 nucleobases in length targeted to a nucleic acid molecule encoding Farnesoid X receptor (FXR), where the antisense compound specifically hybridizes with and inhibits the expression of FXR. The composition and methods are useful for tissues, or for treating diseases or conditions associated with FXR, such as diabetes, immunological disorders, cardiovascular disorders, e.g. dyslipidemia and its symptoms, atherosclerosis, low HDL (high density lipoprotein), elevated LDL (low density lipoprotein) or hypercholesterolemia, gallstones, hypertisjyceridemia, obesity, hypercholesterolemia, gallstones, hypertisjyceridemia, obesity, environgence in used for diagnostics, prophylaxis, or as research reagents or setts. This sequence corresponds to an antisense oligonucleotide of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   antidiabetic; immunosuppressive; cardiovascular; antilipemic; antiarteriosclerotic; heparotropic; litholytic; anorectic; neuroprotective; vasotropic; antisense; gene therapy; Farnesoid X receptor; diabetes; immunological disorder; cardiovascular disorder; dyslipidemia; atherosclerosis; high density lipoprotein; low density lipoprotein; low density lipoprotein; hypercholesterolemia; schemia; reperfusion; diagnostics; prophylaxis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             New antisense oligonucleotides useful for modulating expression of Farnesoid X Receptor (FXR) or for treating diseases associated with FXR, e.g. diabetes, immunological disorders, cardiovascular disorders, gallstones or obesity.
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gallstones; hypertriglyceridemia; obesity; neurological disorder; ischemia; reperfusion; diagnostics; prophylaxis.
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Best Local Similarity 94.1
Matches 16; Conservative
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(UYJO ) UNIV JOHNS HOPKINS.
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Matches
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                                                                                                                                                                                                                                      The invention relates to an antisense compound 8-30 nucleobases in length where the antisense caid molecule encoding Parnesoid X receptor (FXR), where the antisense compound specifically hybridizes with and inhibits the expression of FXR. The composition and methods are useful for inhibiting the expression of FXR (Farnesoid X receptor) in cells or tissues, or for treating diseases or conditions associated with FXR, such as diabetes, immunological disorders, cardiovascular disorders, e.g. dyslipidemia and its symptoms, atherosclerosis, low HDL (high density lipoprotein), elevated LDL (low density lipoprotein) or hypercholesterolemia, gallstones, hypertriglyceridemia, obesity, neurological disorders, or ischemial/reperfusion injury. In addition, the composition is used for diagnostics, prophylaxis, or as research reagents or kits. This sequence corresponds to an antisense oligonucleotide of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           tyrosine kinase; cancer; anti-cancer agent; signalling molecule; tumourigenesis; somatic alteration; colorectal cancer; NTRK3; FES; GUCY2F; MCCK; MLK4; kinase domain; cytostatic; tyrosine kinase inhibitor;
                                                                                                                                                          New antisense oligonuclectides useful for modulating expression of strnesoid X Receptor (FXR) or for treating diseases associated with FXR, e.g. diabetes, immunological disorders, cardiovascular disorders, gallscones or obesity.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Novel mutant protein tyrosine kinase-related oligonucleotide SegID1040
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 15.4; DB 1; Length 20; Pred. No. 3.5e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 20 BP; 2 A; 5 C; 4 G; 9 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                0; Mismatches
                                                                                                                                                                                                                 Claim 4; SEQ ID NO 1053; 150pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               guanylate cyclase stimulator; ss
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    3477 GGAGAGTAAACCACCAC 3493
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29-MAY-2003; 2003US-0473895P.
                                                                  25-SEP-2002; 2002US-0413588P.
                                             25-SEP-2003; 2003WO-US030353
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         18-FEB-2004; 2004WO-US004452
                                                                                                                                                                                                                                                                                                                                                                                                                                                    94.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GGAGAGTAAACGACCAC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADT01052 standard; DNA; 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                16; Conservative
                                                                                       (PHAA ) PHARMACIA CORP
                                                                                                                                                                                                                                                                                                                                                                                                                                                     Local Similarity
                                                                                                                                     WPI; 2004-347928/32.
WO2004030750-A1
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                      15-APR-2004.
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                                                                                                                                                                                                                                                                                                                                                                                             invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADT01052;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           18
                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
                                                                                                               Kane CD;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                Matches
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This invention relates to a novel activated mutant protein tyrosine kinases and associated methods for diagnosing cancer and screening for tunci-cancer agents. Protein kinases are signalling molecules involved in tumourigenesis. Mutational analysis of the human tyrosine kinase gene family identified somatic alteration sin 1 in 5 colorectal cancers, with the majority of mutations occurring in the NYRK3, PES, GUCY2F and MCCK/MLK4 genes. Most were identified in the kinase domain. The invention may be useful for the production of compounds with a cytostatic activity acting as protein tyrosine kinase inhibitors or guanylate cyclase activity atimulators. The invention may be useful for developing methods for detecting mutations involved in cancer or screening for anti-cancer agents. The present sequence is that of a human-derived oligonucleotide
                                                                                                                                                        MCCK) and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human PI3K regulatory subunit 4, p150 DNA antisense oligonucleotide #49
                                                                                                                                                    Activated mutant protein tyrosine kinases (e.g. NTRK3, FES and MCCK) arassociated methods for diagnosing cancer and screening for anti-cancer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
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    Vogelstein B;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         New antisense oligonucleotides inhibiting the expression of phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
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Kinzler KW,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 20 BP; 5 A; 4 C; 6 G; 5 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                        Disclosure; SEQ ID NO 1040; 363pp; English.
Velculescu V,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         which is related to the invention.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Local Similarity 94.1%;
tes 16; Conservative
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    Parsons W,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (ISIS-) ISIS PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Dobie KW;
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                                                                        WPI; 2004-718702/70
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Bardelli A,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        04-DEC-2003
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Example 15; SEQ ID NO 59; 60pp; English.
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                                                                                                                                                                                                                                                                                                      3319 AAACCAGTAATACCGGTTTT 3338
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   /mod base= OTHER
                                                                                                                                                                                                                                                                                                                                AAACCGGTATTACTGGTTTT 1
                                                                                                                                                                                                                                                                                                                                                                                                 . ADL34613 standard; DNA; 20 BP
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1. .20
/*tag= a
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                                                                                                                                                                                                                                                Query Match
Best Local Similarity 85.0<sup>1</sup>
Marches 17; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WPI; 2004-282523/26.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US2004063657-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Key
modified_base
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                              ADL34613;
                                                                                                                                                                                                                                                                                                                                                                          RESULT 541
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  5555555555555555555<del>5</del>88
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                                                             The invention relates to a compound targeted to a nucleic acid molecule encoding human phosphoinositide-3-kinase (PI3K) regulatory subunit 4, p150 The compound is an antisense oligonucleotide that specifically the plso. The compound is an antisense oligonucleotide that specifically the propriet and inhibite expression of the polypeptide. The antisense companies at least one modified internucleoside linkage i.e. a phosphorothioate linkage, at least one modified sugar moiety, preferably a 2'-0-methoxyethyl sugar moiety, or at least one modified nucleobase comprising a 5-methylcytosine. The antisense compounds are uncleobase comprising the expression of P13K regulatory subunit 4, p150 and for preventing or treating hyperproliferative disorders (i.e. cancel), Chediak-Higashi syndrome, neurodegenerative disorders and cancellic disorders. These may also be used in research and diagnostics and in preventing or delaying infection or inflammation. This sequence in represents an antisense oligonucleotide of the invention.
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                                                                                                                                                                                                                                                                                                                                       Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               New antisense oligonucleotides inhibiting the expression of phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for preventing or treating diseases associated with the subunit, e.g. hyperproliferative disorders.
preventing or treating diseases associated with the subunit, e.g. hyperproliferative disorders.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               immunomodulator; neurodegenerative; antimicrobial;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human PI3K regulatory subunit 4, p150 DNA target region #39.
                                                                                                                                                                                                                                                                                                          Score 15.2; DB 1; Length 20; Pred. No. 3.6e+02; 0; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                 Sequence 20 BP; 5 A; 3 C; 4 G; 8 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Example 15; SEQ ID NO 127; 62pp; English.
                                            Example 15; SEQ ID NO 59; 62pp; English.
                                                                                                                                                                                                                                                                                                                                                                  3319 AAACCAGTAATACCGGTTTT 3338
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                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADH26792 standard; DNA; 20 BP.
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                                                                                                                                                                                                                                                                                                             0.3%;
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Best Local Similarity 85.0°
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   antiinflammatory
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        cytostatic;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                04-DEC-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADH26792;
                                                                                                                                                                                                                                                                                                                                                                                                                                                RESULT 540
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The invention relates to a compound targeted to a nucleic acid molecule encoding human phosphoinositide-3-kinase (PI3K) regulatory subunit 4, plso The compound is an antisense oligonucleotide that specifically plso the compound is an antisense oligonucleotide that specifically the plso and inhibits expression of the polypeptide. The antisense oligonucleotide comprises at least one modified internucleoside linkage i.e. a phosphorothioate linkage, at least one modified sugar moiety, preferably a 2'-O-methoxyethyl sugar moiety, or at least one modified nucleobase comprising a 5-methylcytosine. The antisense compounds are useful for modulating the expression of Filsk regulatory subunit 4, plso useful for modulating or treating hyperproliferative disorders and cancer). Chediak-Higashi syndrome, neurodegenerative disorders and metabolic disorders. These may also be used in research and diagnostics and in preventing or delaying infection or inflammation. This sequence represents a Pl3K regulatory subunit 4, plso DNA antisense
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             antisense; inhibitor; hybridisation; human; phosphoinositide-3-kinase; regulatory subunit 4; p150; internucleoside linkage; phosphorothioate linkage; 2'-O-methoxyethyl sugar; 5-methylcytosine; infection; inflammation; tumour formation; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; metabolic disorder; immunomodulator;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
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0
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85.0%; Pred. No. 3.6e+02;
.ive 0; Mismatches 3; Indels
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This invention describes a novel antisense oligonucleotides which specifically hybridises to and inhibits the expression of human phosphoinositide-3-tknase, regulatory subunit 4, p150. The oligonucleotides comprises at least one modified internucleoside linkage, preferably a phosphorothioate linkage. It also comprises at least one modified agast molety, preferably a 2-O-methoxyethyl sugar molety. The antisense oligonucleotide further comprises at least one modified nucleobase, preferably a 5-methylcytosine. The antisense oligonucleotide further comprises at least one modified nucleobase, preferably a 5-methylcytosine. The antisense oligonucleotide further comprises at least one modified nucleobase, preferably a 5-methylcytosine. The antisense oligonucleotide further comprises at least one modified on the sead in diagnostics and as research reagents and kits. It can also be used prophylactically, e.g. to prevent or delay infection, inflammation or tumour formation. It can also be used to treat a disease or condition associated with phosphoinositide-3-kinase, regulatory cubunit 4, p150, e.g. hyperproliferative disorder, preferably cancer, chediak-Higashi syndrome or a metabolic disorder. The products of the invention are immunomodulators with cytostatic activity and can be used
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 20 BP; 5 A; 3 C; 4 G; 8 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           for gene therapy
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0.3%; Score 15.2; DB 1; Length 20; 85.0%; Pred. No. 3.6e+02;
                             3; Indels
                             0; Mismatches
                                                        3319 AAACCAGTAATACCGGTTTT 3338
                                                                         AAACCGGTATTACTGGTTTT 20
                            17; Conservative
             Local Similarity
 Query Match
                             Matches
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Gaps

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ADL34681 standard; DNA; 20 BP (first entry) 17-JUN-2004 ADL34681;

antisense; inhibitor; hybridisation; human; phosphoinositide-3-kinase; regulatory subunit 4; p150; internucleoside linkage; phosphorothioate linkage; 2'-O-methoxyethyl sugar; 5-methylcytosine; infection; inflammation; tumour formation; hyperproliferative disorder; cancer; Chediak-Higashi syndrome; metabolic disorder; immunomodulator; cytostatic; gene therapy; ds. Phosphoinositide-3-kinase regulatory subunit 4 p150 fragment 124641.

Homo sapiens.

US2004063657-A1

01-APR-2004.

18-SEP-2003; 2003US-00667022

31-MAY-2002; 2002US-00160786

(FREI/) FREIER S M. (DOBI/) DOBIE K W.

Freier SM, Dobie KW;

WPI; 2004-282523/26.

New antisense compound targeted to a nucleic acid molecule encoding phosphoinositide-3-kinase, regulatory subunit 4, p150, useful for treating cancer, Chedlak-Higashi syndrome or a metabolic disorder.

Example 15; SEQ ID NO 127; 60pp; English.

This invention describes a novel antisense oligonucleotides which specifically hybridises to and inhibits the expression of human phosphoinositide-3-krimase, regulatory subunit 4, p150. The oligonucleotides comprises at least one modified internucleoside linkage,

preferably a phosphorothioate linkage. It also comprises at least one modified sugar moiety, preferably a 2'-O-methoxyethyl sugar moiety. The antisense oligonucleotide further comprises at least one modified nucleobase, preferably a 5-methylcytosine. The antisense oligonucleotide be used prophylada s-methylcytosine. The antisense oligonucleotide be used prophylactically, e.g. to prevent or delay infection, inflammation or tumour formation. It can also be used to treat a disease or condition associated with phosphoinositide-3-kinase, regulatory subunit 4, p150, e.g. hyperproliferative disorder, preferably cancer, Chediak-Higashi syndrome or a metabolic disorder. The products of the invention are immunomodulators with cytostatic activity and can be used for gene therapy.

Sequence 20 BP; 8 A; 4 C; 3 G; 5 T; 0 U; 0 Other;

Gaps ö Score 15.2; DB 1; Length 20; Pred. No. 3.6e+02; 0; Mismatches 3; Indels 0.3%; Query Match
Best Local Similarity 85.0
Watches 17; Conservative

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16.8 0.3 21 1 US-10-786-720-112 16.8 0.3 21 1 US-10-786-720-114 16.8 0.3 21 1 US-10-786-720-12304 16.8 0.3 21 1 US-10-786-720-12304	6.8 0.3 21 1 US-10-751-736-5549 6.8 0.3 21 1 US-10-751-736-1478	6.8 0.3 21 1 US-10-751-736-1893 6.8 0.3 21 1 US-10-751-736-3692	6.8 0.3 22 1 US-09-972-175-52 6.8 0.3 22 1 US-10-200-522-52	6.8 0.3 22 1 US-10-8 6.8 0.3 22 1 US-10-4	6.8 0.3 22 1 US-10-999-188-52 6.4 0.3 18 1 US-10-108-260A-499	6.4 0.3 18 1 US-10-872-984-5 6.4 0.3 18 1 TG-10-872-984-6	6.4 0.3 18 1 US-10-8'	6.4 0.3 19 1 US-10-80 6.4 0.3 19 1 US-10-80	6.4 0.3 19 1 US-10-8° 6.4 0.3 19 1 US-10-8°	6.4 0.3 20 1 US-10-4	6.4 0.3 21 1 US-09-802-320A-22	6.4 0.3 21 1 US-10-004-378A-153 6.4 0.3 21 1 US-10-428-275-390	6.4 0.3 21 1 US-10-786-720-12305	6.4 0.3 21 1 US-10-847-918-3425	6.2 0.3 21 1 US-10-105-101A-23 6.2 0.3 21 1 US-10-431-599-26	6.2 0.3 21 1 US-10-786-720-3343 6.2 0.3 21 1 US-10-786-720-3345	6.2 0.3 21 1 US-10-786-720-3371 6.2 0.3 21 1 US-10-786-720-4045	6.2 0.3 21 1 US-10-786-720-4047 6.2 0.3 21 1 US-10-786-720-4073	6.2 0.3 21 1 US-10-786-720-4783 6.2 0.3 21 1 US-10-786-720-4785	6.2 0.3 21 1 US-10-786-720-4811 6.2 0.3 21 1 US-10-786-720-13221	6.2 0.3 21 1 US-10-786-720-13756	6.2 0.3 21 1 US-10-786-720-13758 6.2 0.3 21 1 US-10-786-720-14484	6.2 0.3 21 1 US-10-786-720-17384	6.2 0.3 21 1 US-10-751-736-1936	6.2 0.3 21 1 US-10-751-736-5694	6.2 0.3 21 1 US-10-751-736-19985 6.2 0.3 21 1 US-10-751-736-48150	6.2 0.3 21 US-10-839-686-23	6 0.3 17 1 US-09-780-533A-643	6 0.3 17 1 US-10-608-863-3 6 0.3 17 1 US-10-608-863-4	6 0.3 17 1 US-10-608-863-5	6 0.3 20 1 US-09-380-728A-5 6 0.3 20 1 US-09-945-952A-34	6 0.3 20 1 US-10-233-942-34	6 0.3 20 1 US-10-3. 6 0.3 20 1 US-10-7:	6 0.3 20 1 US-10-607-806-25	6 0.3 20 1 US-10-644-USZA-3/ 6 0.3 20 1 US-10-644-052A-37	0.3 21 1 US-09-93	6 0.3 21 1 US-10-871-302-36	8-01-S1 T TZ C 0 9

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C 764 15.2 0.3 20 1 US-10-831-901A-3732 Sequence 3732, Ap C 765 15.2 0.3 20 1 US-10-831-901A-3733 Sequence 3733, Ap C 765 15.2 0.3 20 1 US-10-831-901A-1565 Sequence 1373, Ap Sequence 15.2 0.3 20 1 US-10-831-901A-15730 Sequence 15730, Ap Sequence 15.2 0.3 20 1 US-10-831-901A-2169 Sequence 15730, Ap Sequence 15.2 0.3 20 1 US-10-831-901A-2189 Sequence 20883, Ap C 769 15.2 0.3 20 1 US-10-831-901A-2189 Sequence 21883, Ap Sequence 2185, Ap Sequence 2186, Ap Sequence 2185, App C 779 15.2 0.3 20 1 US-10-831-901A-2735 Sequence 2735, Ap Sequence 2185, App C 781 15.2 0.3 20 1 US-10-831-901A-2735 Sequence 2185, App C 781 15.2 0.3 20 1 US-10-831-901A-2942 Sequence 2185, App C 781 15.2 0.3 20 1 US-10-831-901A-2942 Sequence 2185, App C 781 15.2 0.3 20 1 US-10-831-901A-2945 Sequence 2185, App C 781 15.2 0.3 20 1 US-10-831-901A-2945 Sequence 2185, App C 781 15.2 0.3 20 1 US-10-831-901A-2945 Sequence 2185, App C 781 15.2 0.3 20 1 US-10-831-901A-2945 Sequence 2185, App C 781 15.2 0.3 20 1 US-10-831-901A-2945 Sequence 2185, App C 782 15.2 0.3 20 1 US-10-831-901A-2945 Sequence 2185, App C 782 15.2 0.3 20 1 US-10-831-901A-2945 Sequence 2185, App C 782 15.2 0.3 20 1 US-10-831-901A-2945 Sequence 2185, App C 782 15.2 0.3 20 1 US-10-831-901A-2945 Sequence 2185, App C 782 15.2 0.3 20 1 US-10-831-901A-2945 Sequence 2185, App C 782 15.2 0.3 20 1 US-10-831-901A-2945 Sequence 2185, App C 782 15.2 0.3 20 1 US-10-831-901A-2945 Sequence 2185, App C 782 15.2 0.3 20 1 US-10-831-831-831-831-831-831-831-831-831-831	50.0	US-09-908-975-10633 Query Match Best Local Similarity 100.0%; Pred. No. 0.37; Matches 60; Conservative 0; Mismatches 0; Indels 0; Gaps 0; 4290 CGTCCATGGTATCTATGTATGTAGATGGAATCCTACTACTAACAGCTGGTC 4349 Qy 4290 CGTCCATGGTATCTAGTGTAGTAGAATCCTATCTACTACTACAGCTGGTC 4349 L
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- 20 - 20 - 20 - 20 - 20 - 20 - 20 - 20	US-10-263-655-15 US-10-160-497-81 US-10-160-497-81 US-10-160-497-81 US-10-160-497-81 US-10-160-497-138 US-10-348-750-81 US-10-348-750-81 US-10-175-492-120 US-10-175-492-120 US-10-189-268-109 US-10-189-268-109 US-10-349-143-4301 US-10-349-143-4301 US-10-289-762-4833 US-10-289-762-4833 US-10-289-762-4833 US-10-199-676-65 US-10-619-220-177 US-10-619-220-177 US-10-619-220-177 US-10-619-220-177 US-10-409-107A-7 US-10-409-107A-9 US-10-409-107A-9 US-10-303-566-77 US-10-303-566-70 US-10-303-566-70 US-10-303-566-70 US-10-303-566-70 US-10-303-566-70 US-10-303-566-70 US-10-303-566-70 US-10-303-566-70 US-10-303-566-70 US-10-303-566-70 US-10-318-389-79 US-10-318-389-79	\$50 - \$50 -
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Sequence 1, Application US/10463574A

Sequence 1, Application US/10463574A

Dublication No. US20040259088A1

GENERAL INFORMATION:
APPLICANT: Okamoto, Tadashi
APPLICANT: Takase, Hironitau
APPLICANT: Takase, Hironitau
APPLICANT: Takase, Hironitau
APPLICANT: Hashimoto, Hironitau
APPLICANT: Askase, Hironitau
APPLICANT: Askase, Hironitau
APPLICANT: Askase, Hironitau
APPLICANT: Method for Analyzing RNA Using Time of Flight Secondary Ion Mass
TITLE OF INVENTION: A Method for Analyzing RNA Using Time of Flight Secondary Ion Mass
TITLE OF INVENTION: A Method for Analyzing RNA Using Time of Flight Secondary Ion Mass
TITLE OF INVENTION NUMBER: US/10/463,574A
CURRENT FILING DATE: 2003-06-18
PRIOR FILING DATE: 2002-06-28
NUMBER OF SEQ ID NOS: 2
SEQ ID NO 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  OTHER INFORMATION: Description of Artificial Sequence: Synthetic COTHER INFORMATION: Oligonucleotide US-10-661-415-23
                                                                            FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Synthetic
OTHER INFORMATION: oligonucleotide
US-10-661-415-20
                                                                                                                                                                                                                                                               ö
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APPLICANT: VALLLANT, ANDREW
APPLICANT: OUTEAU, JEAN-MARC
TITLE OF INVENTION: ANTIVIRAL OLIGONUCLEOTIDES TARGETING RSV
TITLE OF INVENTION: ANTIVIRAL OLIGONUCLEOTIDES TARGETING RSV
FILE REFERENCE: 0.29849/0.205
CURRENT APPLICATION NUMBER: US/10/661,415
CURRENT FILING DATE: 2003-09-12
PRIOR FILING DATE: 2003-09-11
PRIOR APPLICATION NUMBER: 60/410,264
PRIOR FILING DATE: 2002-09-13
PRIOR APPLICATION NUMBER: 60/410,264
PRIOR FILING DATE: 2002-09-13
NUMBER OF SEQ ID NOS: 36
SOFTWARE: PALENTIN Ver. 3.2
SEQ ID NO 23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 0.8%; Score 40; DB 1; Length 40; Best Local Similarity 100.0%; Pred. No. 12; Matches 40; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                           Length 40;
                                                                                                                                                                                                                                                               0; Indels
                                                                                                                                                                                                                                                                                                             DB 1;
12;
                                                                                                                                                                                                        Query Match

0.8%; Score 40; DB
Best Local Similarity 100.0%; Pred. No. 12;
Matches 40; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 23, Application US/10661415 Publication No. US20040229828A1
                           TYPE: DNA
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: DNA ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-10-661-415-23/c
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TITLE OF INVENTION: METHOD OF DETECTING POLYMORPHISMS IN DNA USING MASS SPECTROMETRY
FILE REPERRNCE: 53284200660
CURRENT APPLICATION UNDMER: 12/10/450,761
CURRENT FILING DATE: 2003-06-12
PRIOR PILING DATE: 2001-12-12
PRIOR PILING DATE: 2001-12-12
PRIOR PILING DATE: 2000-12-12
NUMBER OF SEQ ID NOS: 7
SEQ ID NO SEQ ID NOS: 7
SEQ ID NOS: 7
SEQ ID NOS: 7
SEQ ID NOS: 6
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OTHER INFORMATION: Description of Artificial Sequence:an artificially
OTHER INFORMATION: synthesized DNA sequence
US-10-450-761-6
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US-10-661-415-20
is Sequence 20, Application US/10661415
is Publication No. US20040229828A1
is Publication No. US20040229828A1
is APPLICANT: VAILLANT, ANDREW
is APPLICANT: UTRAU, JEAN-WARC
itTLE OF INVENTION: ANTIVIRAL OLIGONUCLEOTIDES TARGETING RSV
if ITLE OF INVENTION: ANTIVIRAL OLIGONUCLEOTIDES TARGETING RSV
is PILE REPERENCE: 029849/0205
is CURRENT APPLICATION NUMBER: US/10/661,415
is PRIOR PILING DATE: 2003-09-11
is PRIOR FILING DATE: 2003-09-11
is PRIOR FILING DATE: 2002-12-66
is PRIOR PILING DATE: 2002-12-66
is PRIOR PILING DATE: 2002-12-66
is PRIOR PILING DATE: 2002-12-67
is PRIOR PILING DATE: 2002-12-67
is PRIOR FILING DATE: 2002-12-67
is PRIOR PILING DATE: 2002-12-67
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                                                                                                                                                                                                                                                                                                                                                                   Query Match 0.8%; Score 40.6; DB 1; Length 50; Best Local Similarity 91.5%; Pred. No. 14; Matches 43; Conservative 0; Mismatches 4; Indels
                                                                                                                                                                                                                                                               DB 1; Length 50;
                                                                                                                                                                                                                                                                                                                                                                                                                    4; Indels
                                                                                                                                                                                                                                                               Query Match 0.8%; Score 40.6; D
Best Local Similarity 91.5%; Pred. No. 14;
Matches 43; Conservative 0; Mismatches
NUMBER OF SEQ ID NOS: 6
SOFTWARE: FastSEQ for Windows Version 4.0
                                                                                                                                                        // PEATURE:
// OTHER INFORMATION: synthetic construct
US-10-431-627-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 6, Application US/10450761; Publication No. US20040248098A1; GENERAL INFORMATION:
                                                                                                       TYPE: DNA ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NUMBER OF SEQ ID NOS: 36
SOFTWARE: Patentin Ver. 3.2
SEQ ID NO 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RESULT 3
US-10-450-761-6/c
                                                SEQ ID NO 3
LENGTH: 50
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: DNA
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APPLICANT: Atabekov, Joseph
APPLICANT: Dorokhov, Yurii
APPLICANT: Borokhov, Yurii
APPLICANT: Stulachev, Maxim
APPLICANT: Stulachev, Maxim
APPLICANT: Stulachev, Maxim
APPLICANT: Gleba, Yuri
TITLE OF INVENTION: IDENTIFICATION OF EUKARYOTIC INTERNAL RIBOSOME ENTRY SITE (IRES)
TITLE OF INVENTION: ELEMENTS
FILE REFERENCE: 9286.30
FURERY PELLING DATE: 2004-03-02
PRIOR APPLICATION NUMBER: PCT/EP02/09844
PRIOR APPLICATION NUMBER: D101 43 238.0
PRIOR APPLICATION NUMBER: D1 43 238.0
PRIOR PILING DATE: 2001-09-04
NUMBER OF SEQ ID NOS: 41
SOFTWARE: Patentin version 3.2
SEQ ID NO 31
LENGTH: 51
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APPLICANT: VALIDANT, ANDREW
APPLICANT: VALIDANT: VALIDANT, ANDREW
TITLE OF INVENTION: ANTIVITRAL OLIGONUCLEOTIDES TARGETING VIRAL FAMILIES
FILE REFERENCE: 0.29649/0207
CURRENT APPLICATION NUMBER: US/10/661,402
CURRENT FILING DATE: 2003-09-12
PRIOR APPLICATION NUMBER: PCT/IB03/04573
PRIOR PLILNG DATE: 2003-09-11
PRIOR PLILNG DATE: 2002-10-11
PRIOR PLILNG DATE: 2002-10-13
NUMBER OF SEQ ID NOS: 36
SOFTWARE: Patentin Ver. 3.2
SEQ ID NO 23
LENGTH: 40
                                                                                                         Gaps
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                                                    0.8%; Score 40; DB 1; Length 40;
100.0%; Pred. No. 12;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Indels
                                                                                                                                                    0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match

0.8%; Score 40; DB
Best Local Similarity 100.0%; Pred. No. 12;
Matches 40; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                              US-10-661-402-23/c

. Sequence 23, Application US/10661402

; Publication No. US20050153912A1

; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-10-489-136-31
; Sequence 31, Application US/10489136
; Publication No. US20050014150A1
; GENERAL INFORMATION:
                                                                                100.08;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: DNA ORGANISM: Artificial Sequence
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                                                                                                    Conservative
                                                                           Best Local Similarity
Matches 40; Conserv
       US-10-661-402-20
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                                                       Query Match
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APPLICANT: Okamoto, Tadashi
APPLICANT: Takase, Hiromitation:
APPLICANT: Takase, Hiromitation:
APPLICANT: Takase, Hiromitation:
APPLICANT: Hashimoto, Hiropuki
TITLE OF INVENTION: A Method for Analyzing RNA Using Time of Flight Secondary Ion Mas
TITLE OF INVENTION: Spectrometry
TITLE OF INVENTION: Spectrometry
TITLE OF INVENTION: 103560.00311
CURRENT APPLICATION NUMBER: US/10/463,574A
CURRENT APPLICATION NUMBER: US/2002-189838
PRIOR FILING DATE: 2002-06-28
RNUMBER OF SEQ ID NOS: 2
SEQ ID NOS: 2
LENGTH: 40
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APPLICANT: VALLIANT, ANDREW
APPLICANT: UNTEAU, JEAN-MARC
TITLE OF INVENTION ANTIVIRAL OLIGONUCLECTIDES TARGETING VIRAL FAMILIES
FILE REFERENCE: 0.29849/0.207
CURRENT APPLICATION NUMBER: US/10/661,402
CURRENT FILING DATE: 2.003-09-12
PRIOR APPLICATION NUMBER: PCT/1B03/04573
PRIOR APPLICATION NUMBER: 60/430,934
PRIOR PILING DATE: 2.002-19-11
PRIOR PLING DATE: 2.002-09-11
PRIOR PLING DATE: 2.002-09-13
NUMBER OF SEQ ID NOS: 36
SOFTWARE: PATENTIN VOICE: 3.2
SEQ ID NO 20
LENGTH: 40
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                                                                                                                        Query Match

0.8%; Score 40; DB 1; Length 40;
Best Local Similarity 100.0%; Pred. No. 12;
Matches 40; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                                                                     ; OTHER INFORMATION: Sequence for Hybridization Test
US-10-463-574A-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ; OTHER INFORMATION: Sequence for Hybridization Test
US-10-463-574A-2
                                                                                                                                                                                                                                                                                                                                                                                         Sequence 2, Application US/10463574A Publication No. US20040259088A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 20, Application US/10661402
Publication No. US20050153912A1
GENERAL INFORMATION:
ORGANISM: Artificial Sequence
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RESULT 13
US-10-848-922-98
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                                                                                                                                                                                                                                                                                                         Sequence 11, Application US/10601140A
| Sequence 11, Application US/20050053942A1
| GENERAL INCORDATION:
| APPLICANT: KAUPPINEN, SAKARI
| APPLICANT: AACOBSEN, NANA
| TITLE OF INVENTION: WETHOOD SEQUENCE
| FILE REFERENCE: 57764(71994)
| CURRENT FILING DATE: 2003-06-20
| PRIOR APPLICATION NUMBER: US/10/601,140A
| FILE REPERENCE: 57764(71994)
| CURRENT FILING DATE: 2002-06-24
| NUMBER OF SEQ ID NOS: 45
| SOFTWARE PATENTIN Ver. 3.2
| SEQ ID NO 11
| LENGTH: 35
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RESULT 12
US-10-601-140A-12/c
; Sequence 12, Application US/10601140A
; Publication No. US20050053942A1
; GENERAL INFORMATION:
, APPLICANT: AACUPENINE, SAKARI
; APPLICANT: AACUPENINE, NAKARI
; TITLE OF INVENTION: MCLEOTIDE SEQUENCE
; TITLE OF INVENTION: MCLEOTIDE SEQUENCE
; TITLE OF INVENTION NUMBER: US/10/601,140A
; TITLE OF INVENTION NUMBER: US/10/601,140A
; CURRENT FILING DATE: 2003-06-20
; PRIOR APPLICATION NUMBER: US 60/390,928
; PRIOR APPLICATION NUMBER: US 60/390,928
; RAIOR FILING DATE: 2002-06-24
; NUMBER OF SEQ ID NOS: 45
; SEQ ID NO 12
; LENGTH: 35
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; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Oligonucleotide
US-10-601-140A-11
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                                              Query Match 0.8%; Score 38.4; DB 1; Length 51; Best Local Similarity 97.5%; Pred. No. 21; Matches 39; Conservative 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 0.7%; Score 35; DB 1; Length 35; Best Local Similarity 100.0%; Pred. No. 27; Matches 35; Conservative 0; Mismatches 0; Indels
                                                                                                                                            5025 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA 5059
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OTHER INFORMATION: LNA monomer
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: DNA
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: DNA
ORGANISM: Artificial Sequence
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                                                                                                                                                                                                                                                                  RESULT 11
US-10-601-140A-11/c
US-10-489-136-31
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Sequence 98, Application US/10848922

Sequence 98, Application US/10848922

Publication No. US20040235138A1

GENERAL INFORMATION:

HILLANT: Welbaburg, William G.

APPLICANT: Welbaburg, William G.

TITLE OF INVENTION: Trichomonas Vaginalis in a Test Sample

TITLE OF INVENTION: Trichomonas Vaginalis in a Test Sample

CURRENT APPLICATION NUMBER: US/10/848,922

CURRENT APPLICATION NUMBER: 60/472,028

PRIOR APPLICATION NUMBER: 60/472,028

PRIOR APPLICATION NUMBER: 60/472,028

PRIOR FILING DATE: 2003-05-19

NUMBER OF SEQ ID NOS: 105

SEQ ID NO 98

LENGTH: 33

LENGTH: 33
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ö
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 35;
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27;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match 0.7%; Score 35; DB Best Local Similarity 100.0%; Pred. No. 27; Matches 35; Conservative 0; Mismatches
                                                                                         NAME/KEY: modified_base
LOCATION: (20)
OTHER INFORMATION: LNA monomer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NAME/KEY: modified_base
LOCATION: (32)
OTHER INFORMATION: LNA monomer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CTHER INFORMATION: LNA monomer US-10-601-140A-12
                                                                                                                                                                                                                    LOCATION: (22)
OTHER INFORMATION: LNA monomer
                                                                                                                                                                                                                                                                                                                                                                                                            LOCATION: (26)
OTHER INFORMATION: LNA monomer
                                             OTHER INFORMATION: LNA monomer
                                                                                                                                                                                                                                                                                                                                         OTHER INFORMATION: LNA monomer
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OTHER INFORMATION: LNA monomer
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LOCATION: (28)
OTHER INFORMATION: LNA r
                                                                                                                                                                                                                                                                                 NAME/KEY: modified_base
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LOCATION: (34)
NAME/KEY: modified base
                                                                                                                                                                                     NAME/KEY: modified_base
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Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Indels
                                                                                                                                                                                                                                                                                                                                             Matsuzaki, Hajime
McGall, Glenn H.
TITLE OF INVENTION: NUCLEIC ACID ANALYSIS TECHNIQUES
NUMBER OF SEQUENCES: 32
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
                                                                                                                                                                                                                                                                                                                                                                                                                                                 CORRESPONDENCE ADDRESS:
ADDRESSEE: Joe Liebeschuetz
STREET: Two Embarcadero Center, Eighth Floor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            REFERENCE/DOCKET NUMBER: 018547-019410US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    DB 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CURRENT APPLICATION DATA.

APPLICATION NUMBER: US/11/021,367
FILING DATE. 23-Dec-2004

PRIOR APPLICATION DATA.

APPLICATION NUMBER: US/08/882,649

FILING DATE: 25-Jun-1997

APPLICATION NUMBER: US 60/010,471

FILING DATE: 23-JAN-1996

APPLICATION NUMBER: US 60/035,170

FILING DATE: 20-JAN-1997

APPLICATION NUMBER: PCT/US97/01603

FILING DATE: 22-JAN-1997
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (ix) Features:
SEQUENCE DESCRIPTION: SEQ ID NO: 10:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NAME: Liebeschuetz, Joe
REGISTRATION NUMBER: 37,505
                                                                                                                                                                                                                                                Chaoqiang, Lai
Wodicka, Lisa
Cronin, Maureen T.
Lee, Danny
Tran, Huu M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TELEPHONE: (415) 576-020
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 10:
                                                                                                           Sequence 10, Application US/11021367
Publication No. US20050158772A1
                                                                                                                                                                                APPLICANT: Lockhart, David J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TOPOLOGY: linear MOLECULE TYPE: DNA (genomic)
                                                                                                                                                                                                                        Gunderson, Kevin
Chaogiang, Lai
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SEQUENCE CHARACTERISTICS:
LENGTH: 30 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ATTORNEY/AGENT INFORMATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      San Francisco
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           HYPOTHETICAL: YES
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                                                                                                                                                        GENERAL INFORMATION:
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                                                                                            US-11-021-367-10
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                                                                         RESULT 16
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Sequence 4, Application US/10450761

Sequence 4, Application US/10450761

Sequence 4, Application US/10450761

Sequence 4, Application William USZ040248098A1

SENDERAL INFORMATION:

APPLICANT: Inoko, Hidetoshi et al.

TITLE OF INVENTION: METHOD OF DETECTING POLYMORPHISMS IN DNA USING MASS SPECTROMETRY

FILE REFERRNCE: 523842000600

CURRENT APPLICATION NUMBER: US/10/450,761

CURRENT FILING DATE: 2003-06-12

PRIOR FILING DATE: 2001-12-12

PRIOR FILING DATE: 2001-12-12

PRIOR FILING DATE: 2001-12-12

NUMBER OF SEQ ID NOS: 7

SOFTWARE: PLANCE DATE: 2001-12-12

SEQ ID NO 4

LENGTH: 40
                                                                                                                                                                                                                                                                                                     APPLICANT: Smit, Frank
APPLICANT: Hessels, Daphne
APPLICANT: Verhaedh, Gerald
TITLE NOF INVENTION: Specific Method of Prostate Cancer Detection Based on PCA3 Gene,
TITLE OF INVENTION: and Kits Therefor
TITLE OF INVENTION: and Kits Therefor
TITLE OF INVENTION: 200000/JAG/CMB
CURRENT APPLICATION NUMBER: US/10/880, 425A
CURRENT FILING DATE: 2003-06-30
PRIOR APPLICATION NUMBER: CA 2,432,365
PRIOR PILING DATE: 2003-06-30
NUMBER OF SEQ ID NOS: 46
SOFTWARE: Patentin version 3.2
SEQ ID NO 41
LENGTH: 33
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ö
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           Gaps
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0.6%; Score 31.4; DB 1; Length 40;
Best Local Similarity 97.0%; Pred. No. 63;
Matches 32; Conservative 0; Mismatches 1; Indels
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           Indels
              1;
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                                                         5022 TGTAAAAAAAAAAAAAAAAAAAAAAAAAAA 5054
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Best Local Similarity 97.0%; Pred. No. 51;
Matches 32; Conservative 0; Mismatches
              Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                OTHER INFORMATION: Synthetic Construct
                                                                                                                                                                                                               ; Sequence 41, Application US/10880425A; Publication No. US20050164223A1; GENERAL INFORMATION: APPLICANT: Schalken, Jack A.
                ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: DNA
ORGANISM: Artificial Sequence
                32; Conservative
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                   Matches
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Publication No. US20050142580A1

GENERAL INFORMATION:

GENERAL INFORMATION:

GENERAL INFORMATION:

APPLICANT: Weibing, Hu

TITLE OF INVENTION: Methods and Probes for Diagnosing a Gynaecological Condition

TITLE REFERENCE: POF3AUSA

CURRENT APPLICATION NUMBER: US/10/933,118

CURRENT APPLICATION NUMBER: US 60/500,072

PRIOR FILING DATE: 2004-09-03

NUMBER OF SEQ ID NOS: 146

SEQ ID NOS: 146

SEQ ID NO 136

LENGTH: 31
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Publication No. US20040235774A1

GENERAL INFORMATION:

APPLICANT: Bratzler, Robert L.

APPLICANT: Petersen, Deanna M.

TITLE OF INVENTION: Immunostimulatory Nucleic Acids for the TITLE OF INVENTION: Treatment of Asthma and Allergy FILE REFERENCE: C1037/7013 (HCL/MAT);

CURRENT APPLICATION NUMBER: US/10/831,778

CURRENT APPLICATION NUMBER: US 60/179,991

PRIOR FILING DATE: 2000-02-03

PRIOR FILING DATE: 2000-02-03

SOFTWARE: FastSEQ for Windows Version 3.0

SEQ ID NO 911

LENGTH: 27
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95;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match 0.5%; Score 27; DB Best Local Similarity 100.0%; Pred. No. 95; Matches 27; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        5025 AAAAAAAAAAAAAAAAAAAAAAAA 5051
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; OTHER INFORMATION: synthetic pcr primer US-10-933-118-136
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        27 AAAAAAAAAAAAAAAAAAAAAAAA 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT 21
US-10-085-906-294
; Sequence 294, Application US/10085906
; Publication No. US20030054371A1
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                                                                                                                                   JS-10-933-118-136/c
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PUBLICACLION NO. US20030054371A1

GENERAL INFORMATION:
APPLICANT: Win, Paul
APPLICANT: Win, Paul
APPLICANT: Win, Paul
APPLICANT: Win, Paul
APPLICANT: Gray, Gary, Gar
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US-10-764-799-8

Sequence 8, Application US/10764799;
Publication No. US2004023612A1;
GENERAL INFORMATION:
APPLICANT: Scoetae, Jack W.
APPLICANT: Liu, Rihe
TITLE OF INVENTION: SELECTION OF PROTEINS USING RNA-PROTEIN
TITLE OF INVENTION: SELECTION OF PROTEINS USING RNA-PROTEIN
TITLE OF INVENTION: SOUGHOUSE: 2004-01-26
FILE REFERENCE: 00786/350005;
CURRENT FILING DATE: 1999-02-09;
PRIOR APPLICATION NUMBER: US/09/247,190
FRIOR PELING DATE: 1997-01-21
FRIOR PELING DATE: 1997-01-21
FRIOR PILING DATE: 1997-01-21
FRIOR FILING DATE: 1997-01-21
FRIOR FILING DATE: 1998-01-14
NUMBER OF SEQ ID NOS: 38
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 8
LENGTH: 29
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86.1%; Pred. No. 1.18+02;
tive 0; Mismatches 5; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 29;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match 0.6%; Score 28; DB Best Local Similarity 100.0%; Pred. No. 85; Matches 28; Conservative 0; Mismatches
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ORGANISM: Artificial Sequence
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Best Local Similarity 86.1
Matches 31; Conservative
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ORGANISM: Homo sapiens
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US-10-085-906-225/c
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Sequence 7, Application US/10160786
Publication No. US20030225013A1
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Susan M. Freier
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: P150 EXPRESSION
FILE REPRENCE: RTS-0376
CURRENT APPLICATION NUMBER: US/10/160,786
CURRENT PILING DATE: 2002-05-31
NUMBER OF SEQ ID NOS: 147
SEQ ID NO 7
LENGTH: 26
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US-10-942-251-8/C

Sequence 8, Application US/10942251

Sequence 8, Application OS. US20050069524A1

GENERAL INFORMATION:
TITLE OF INVENTION: NUCLEIC ACIDS INTO CIRCULAR VECTORS

TITLE OF INVENTION: NUCLEIC ACIDS INTO CIRCULAR VECTORS

FILE REPRENCE: 1639/1.

CURRENT PAPLICATION NUMBER: US/0/942,251

CURRENT FILING DATE: 1999-12-17

NUMBER: OF SEQ ID NOS: 50

SOFTWARE: FASTSEQ for Windows Version 4.0

SEQ ID NO 8

LENGTH: 28
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 32;
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0.5%; Score 26.4; DB 1;
Best Local Similarity 96.4%; Pred. No. 1.1e+02;
Matches 27; Conservative 0; Mismatches 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match

0.5%; Score 26.8; DB 1;
Best Local Similarity 93.3%; Pred. No. 1.2e+02;
Matches 28; Conservative 0; Mismatches 2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   5041 AAAAAAAAAAAAAAAAAAAAAAAAACTCG 5068
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CURRENT FILING DATE: 2004-09-16
PRIOR APPLICATION NUMBER: US/09/213,834
PRIOR FILING DATE: 1998-12-17
NUMBER OF SEQ ID NOS: 50
SOFTWARE: FASISEQ for Windows Version 4.0
SEQ ID NO 29
LENGTH: 32
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                                                                                                                                                                                                                                                                                                                                                                            ; OTHER INFORMATION: Cloning Vector US-10-942-251-29
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ORGANISM: Artificial Sequence
PEATURE:
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                                                                                                                                                                                                                                                                                  TYPE: DNA
ORGANISM: Artificial Sequence
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                                                                                                                                                                                                                                                                                                                                                    FEATURE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
                                                                                   APPLICANT: Gray, Gary S.
TITLE OF INVENTION: POLYMORPHIC ELEMENTS IN THE
TITLE OF INVENTION: COSTIMULATORY RECEPTOR LOCUS AND USES THEREOF
TITLE OF INVENTION: COSTIMULATORY RECEPTOR LOCUS AND USES THEREOF
TITLE OF INVENTION: COSTIMULATORY RECEPTOR LOCUS AND USES THEREOF
TITLE OF INVENTION SOURCE: 2002-02-27
CURRENT FILING DATE: 2002-03-25
PRIOR PPLING DATE: 1999-03-25
PRIOR PPLING DATE: 1999-03-25
PRIOR PAPLICATION NUMBER: US 09/534,061
PRIOR APPLICATION NUMBER: US 09/534,061
PRIOR APPLICATION NUMBER: US 09/534,061
PRIOR APPLICATION NUMBER: US 09/534,061
PRIOR PRILING DATE: 2000-03-24
SPRIOR PILING DATE: 2000-03-24
SPRIOR FILING DATE: 2000-03-24
SPRIOR FILING DATE: 2000-03-24
SPRIOR PILING DATE: 2000-03-
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; Sequence 1, Application US/10849491
; Publication No. US206055167A1
; GENERAL INFORMATION:
; APPLICANT: BHARADAWAJ, LALIT M.
; APPLICANT: BHARADAWAJ, LALIT M.
; APPLICANT: BHONDEKAR, AMOL P.
; APPLICANT: MANAR, RAKESH P.
; APPLICANT: MANAR, RAM FRASH P.
; APPLICANT: MANAR, RAM FRASH
; TILE OF INVENTION: DNA BASED NUMBER SYSTEM AND ARTITHMETIC
TILE REFERENCE: U 0122019
; CURRENT FILIATION NUMBER: US/10/849,491
; CURRENT FILIATION DATE: 2004-05-19
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: Patentin version 3.3
; SEQ ID NO 1
LENGTH: 31
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match 0.5%; Score 27; DB 1; Length 36; Best Local Similarity 85.7%; Pred. No. 1.3e+02; Matches 30; Conservative 0; Mismatches 5; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 29, Application US/10942251
; Publication No. US20050069524A1
; GENERAL INFORMATION:
APPLICANT: Romantchikov, Yuri
TITLE OF INVENTION: IMPROVED METHODS FOR INSERTION OF
TITLE OF INVENTION: NUCLEIC ACIDS INTO CIRCULAR VECTORS;
FILE REFERENCE: 11639/1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             5025 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA 5059
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                               APPLICANT: Ying, Vincent APPLICANT: Wu, Paul
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-085-906-294
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Publication No. US20050065322A1

GENERAL INFORMATION:
APPLICANT: Sheppard, Paul O.
APPLICANT: Adler, David A.
ITLE OF INVENTION: SECRETED SALIVARY ZSIG63 POLYPEPTIDE
FILE REFERENCE: 97-71

CURRENT APPLICATION NUMBER: US/10/969,164

CURRENT APPLICATION NUMBER: US/09/527,345

PRIOR APPLICATION NUMBER: US/09/527,345

PRIOR FILING DATE: 1999-03-17

PRIOR FILING DATE: 1999-03-17

NUMBER OF SEQ ID NOS: 9

SOFTWARE: FastSEQ for Windows Version 3.0

SEQ ID NO 7

LENGTH: 26
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Publication No. US20050065322A1

GENERAL INFORMATION:
APPLICANT: Sheppard, Paul O.
APPLICANT: Sheppard, Paul O.
APPLICANT: Sheppard, Paul O.
APPLICANT: Adder, David A.
TITLE OF INVENTION: SECRETED SALIVARY ZSIG63 POLYPEPTIDE
FILE REPERENCE: 97-71
CURRENT APPLICATION NUMBER: US/10/969,164
CURRENT FILING DATE: 2004-10-20
PRIOR PELICATION NUMBER: US/09/527,345
PRIOR PILING DATE: 1999-03-17
PRIOR PILING DATE: 1999-03-17
NUMBER OF SEQ ID NOS: 9
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 6
LENGTH: 26
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                                                                                                                                                                      Length 26;
                                                            ; FEATURE:
; OTHER INFORMATION: Oligonucleotide primer 2C7764a
US-10-787-442-38
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               , OTHER INFORMATION: Oligonucleotide primer ZC7764a
US-10-969-164-7.
                                                                                                                                                              Query Match
0.5%; Score 26; DB 1; L
Best Local Similarity 100.0%; Pred. No. 1.1e+02;
Matches 26; Conservative 0; Mismatches 0;
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        TYPE: DNA ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                 US-10-969-164-7/C
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Publication No. US20040063657A1
Publication No. US20040063657A1
FEBREAL INFORMATION:
APPLICANT: Susan M. Freier
APPLICANT: Susan M. Freier
APPLICANT: Renneth W. Dobie
TITLE OF INVENTION: P150 EXPRESSION
FILE REFERENCE: RTS-0376
CURRENT APPLICATION NUMBER: US/10/667,022
CURRENT APPLICATION NUMBER: 2003-09-18
NUMBER OF SEQ ID NOS: 147
SEQ ID NO 7
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                                                                                    Score 26; DB 1; Length 26;
Pred. No. 1.1e+02;
0; Mismatches 0; Indels
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APPLICANT: Johnston, Jamet V.
APPLICANT: Dillon, Stacey R.
APPLICANT: Dillon, Stacey R.
APPLICANT: Hammon, Angela K.
TITLE OF INVENTION: NOVEL CYTOKINE ZALPHAII LIGAND FILE REFERENCE: 99-16
CURRENT APPLICATION NUMBER: US/10/787,442
CURRENT APPLICATION NUMBER: US/09/522,217
PRIOR FILING DATE: 1000-03-09
PRIOR PLLING DATE: 1999-03-09
PRIOR APPLICATION NUMBER: US 60/123,547
PRIOR PLING DATE: 1999-03-19
PRIOR APPLICATION NUMBER: US 60/123,904
PRIOR APPLICATION NUMBER: US 60/123,004
PRIOR APPLICATION NUMBER: US 60/142,013
PRIOR FILING DATE: 1999-07-01
                                                                                 Query Match 0.5%; Score 26; DB Best Local Similarity 100.0%; Pred. No. 1.1 Matches 26; Conservative 0; Mismatches
                                                                                                                                                                                         2447 CTGAGGAATTTGTCATTGTGAAAGCT 2472
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SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 38
LENCTH: 26
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Publication No. US20040260065A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Novak, Julia E.
APPLICANT: Presnell, Scott R.
APPLICANT: Sprecher, Cindy A.
APPLICANT: Foster, Donald C.
APPLICANT: Holly, Richard D.
APPLICANT: Gross, Jane A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: DNA ORGANISM: Artificial Sequence
; OTHER INFORMATION: PCR Probe US-10-160-786-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 OTHER INFORMATION: PCR Probe
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US-11-015-461-51/c
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| Sequence 51, Application US/10838122
| Publication No. US2005064554A1
| Churchication No. US20050664554A1
| Churchir Engler, Laurent Bernard
| Applicant: Cacher, Nathalie Michele
| Applicant: Barzu-Le-Roux, SIMONA | TILLE OF INVENTION: CANINE GRRH GENE, POLYPEPTIDES AND METHODS OF USE | FILE REFERENCE: MER 03-007 | CURRENT APPLICATION NUMBER: US/10/836,122 | CURRENT APPLICATION NUMBER: 06/467,405 | PRIOR APPLICATION NUMBER: 06/467,405 | PRIOR
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: WILTMAN, VAUGHAN
APPLICANT: WEIDANZ, JON A.
APPLICANT: WEIDANZ, JON A.
APPLICANT: BURKHARDT, MARTIN
APPLICANT: BURKHARDT, MARTIN
APPLICANT: TAL, RONY
APPLICANT: ACEVEDO, JOGE
APPLICANT: ACEVEDO, JOGE
APPLICANT: MONG, HING
TILLE REFERENCE: 49444 (71758)
FILLE REFERENCE: 49444 (71758)
CURRENT APPLICATION NUMBER: US/09/859,012
CURRENT FILING DATE: 2001-05-16
PRIOR FILING DATE: 2001-05-16
PRIOR FILING DATE: 2000-05-25
NUMBER OF SEQ ID NOS: 49
SEQ ID NOS: 49
SEQ ID NO 37
LENGTH: 27
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0.5%; Score 25.2; DB 1; Length 27;
Best Local Similarity 96.2%; Pred. No. 1.38+02;
Matches 25; Conservative 1; Mismatches 0; Indels
Length 26;
Query Match
0.5%; Score 25.2; DB 1;
Best Local Similarity 96.2%; Pred. No. 1.3e+02;
Matches 25; Conservative 1; Mismatches 0;
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US-09-859-012-37/c
US-09-859-012-37/c
; Sequence 37, Application US/09859012
; Publication No. US20040253632A1
; GENERAL INFORMATION:
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US-09-859-012-37
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ORGANISM: Artificial Sequence
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US-10-838-122-51/c
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Sequence 104782, Application US/10956157

Sequence 104782, Application US/10956157

Bublication No. US20050118625A1

GENERAL INFORMATION:
APPLICANT: Wyeth
TITLE OF INVENTION: HUMAN OSTEOMETHRITIS AND HUMAN PROTEASES

STELE REPREMENCE: 014762

NUMBER OF SEQ ID NOS: 319805

SEQ ID NO 104782

LENGTH: 25

LENGTH: 25
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| Sequence 51, Application No. US20050164946A1
| Publication No. US20050164946A1
| GENERAL INFORMATION:
| APPLICANT: FISHER, LAURENT BERNARD
| APPLICANT: CACHET, NATHALIE MICHELE
| APPLICANT: CACHET, NATHALIE MICHELE
| APPLICANT: BARZU-LE-ROUX, SIMONA
| TITLE OF INVENTION: CANING GHRH GENE, POLYPEPTIDES AND METHODS OF USE
| TITLE OF INVENTION: MUMBER: US/11/015,461
| CURRENT PILING DATE: 2004-12-17
| CURRENT FILING DATE: 2003-05-01
| NUMBER OF SEQ ID NOS: 51
| SOFTWARE: Patentin Ver. 3.2
| SEQ ID NO 51
| LEASTH: 27
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                                                                                                                                                                                          Query Match
0.5%; Score 25.2; DB 1; Length 27;
Best Local Similarity 96.2%; Pred. No. 1.3e+02;
Matches 25; Conservative 1; Mismatches 0; Indels
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OTHER INFORMATION: oligonucleotide
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CORGANISM: Probe Sequence
US-10-956-157-104782
                                 FEATURE:
NAME/KEY: modified_base
LOCATION: (27)
OTHER INFORMATION: a, t,
US-10-838-122-51
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gibbs-10-667-022-4.rnpb

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TITLE OF INVENTION: William TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES FILE REFERENCE: 031896-043000 (AM 101081) CURRENT FILING DATE: 2004-10-04 CURRENT FILING DATE: 2004-10-04 SOFTWARE: PATENTION NOWER: DATE SOFTWARE: PATENTION OF SEQ ID NOS: 319805 SOFTWARE: PATENTIN VERSION 3.2 LENGTH 25

IENGTH 25

TYPE: ...
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US-10-956-157-104786

SGQUENCE 104786

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SGUENCE 104786

SGUENCE 104786

SGUENCE 104786

STILE REPERBRUE: 031896-043000 (AM 101081)

TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES

CURRENT APPLICATION NUMBER: US/10/956,157

CURRENT APPLICATION NUMBER: 108/10/956,157

CURRENT FILING DATE: 2004-10-04

NUMBER OF SEQ ID NOS: 319805

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SEQ ID NO 104786

LENGTH: 25
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US-10-956-157-104787

SEQUENCE 104787

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SEQUENCE 104787

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SERVERSHILE REPRESSION ASSOCIATED WITH

TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES

FILE REPREBRUCE: 2014-06-043000 (AM 101081)

CURRENT FILENCE 105896-053000 (AM 101081)

CURRENT FILING DATE: 2004-10-04

NUMBER OF SEQ ID NOS: 319805

SEQ ID NO 104787

LENGTH: 25
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Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 25; Conservative 0; Mismatches 0;
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100.0%; Pred. No. 1.38+02;
ttive 0; Mismatches 0;
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Best Local Similarity
Matches 25; Conserva
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Publication No. US20050118625A1

GENERAL INFORMATION:
APPLICANT: Wyeth
APPLICANT: Wyeth
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (Am 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT PILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: Mounts, William
TITLE OF INVENTION: WUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION WUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
SEQ ID NO 104783
LENGTH: 25
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100.0%; Pred. No. 1.3e+02;
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Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 25; Conservative 0; Mismatches 0;
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Publication No. US20050118625A1
GENERAL INFORMATION:
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Best Local Similarity 100.0
""+ches 25; Conservative
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US-10-956-157-104783
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US-10-956-157-104785
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US-10-956-157-104783
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US-10-956-157-104784
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LENGTH: 25
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APPLICANT: Mounts, William

TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
TILLE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SEQ ID NO 104790
LENGTH: 25
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| APPLICANT: Woulds, William | APPLICANT: Woulds, William | APPLICANT: Woulds, William | APPLICANT: Woulds, William | TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES | TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES | TITLE PRERENCE: 031896-043000 (AM 101081) | CURRENT APPLICATION WUMBER: 2004-10-04 | CURRENT RILING DATE: 2004-10-04 | NUMBER OF SEQ ID NOS: 319805 | SOFTWARR: Patentin version 3.2 | SEQ ID NO 104791
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| Publication No. US20050118625A1
| GENERAL INFORMATION:
| APPLICANT: Wyeth
| APPLICANT: Wyeth
| TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH|
| TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH|
| TITLE OF INVENTION: HUMAN OSTECARTHRITIS AND HUMAN PROTEASES
| TITLE OF INVENTION NUMBER: US/10/956,157
| CURRENT APPLICATION NUMBER: US/10/956,157
| CURRENT FILING DATE: 2004-10-04
| NUMBER OF SEQ ID NOS: 319805
| SOFTWARE PALEARIIN VERSION 3.2
| SEQ ID NO 104792
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Matches 25; Conservative
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US-10-956-157-104790
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US-10-956-157-104792
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Sequence 104788, Application US/10956157

Publication No. US20050118625A1

SEQUENCE 104788, Application US/10956157

Publication No. US20050118625A1

GENERAL INFORMATION:

APPLICANT: Myeth

APPLICANT: Myeth

TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES

FILE REFERENCE: 031896-043000 (AM 101081)

CURRENT APPLICATION NUMBER: US/10/956,157

CURRENT PILING DATE: 2004-10-04

NUMBER OF SEQ ID NOS: 319805

SOFTWARE: PatentIN version 3.2

LENGTH: 25

TYPE: DNA

TYPE: DNA

TYPE: DNA

TYPE: DNA
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APPLICANT: Wounts, William
APPLICANT: Wounts, William
TITLE OF INVENTION: WOCEET ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEOARTHRIIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT APPLICATION NOS: 319805
SOFTWARE OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
SEQ ID NO 104789
LENGTH: 25
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                                 Length 25;
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100.0%; Pred. No. 1.-.
... 0; Mismatches
                              0.5%; Score 25; DB 100.0%; Pred. No. 1.3 tive 0; Mismatches
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; Sequence 104789, Application US/10956157
; Publication No. US20050118625A1
; GENERAL INFORMATION:
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                      Query Match
Best Local Similarity 100.0
Matches 25, Conservative
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Matches 25; Conservative
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Best Local Similarity
Matches 25; Conserva
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US-10-956-157-104790
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ORGANISM: Probe
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gibbs-10-667-022-4.rnpb

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TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARER PATENTIN VERSION 3.2
SEQ ID NO 104795
LENGTH: 25
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Sequence 104797, Application US/10956157

GENERAL INFORMATION:

APPLICANT: Wyeth

APPLICANT:
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TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEOARTHRIIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
SEQ ID NO 104796
LENGTH: 25
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100.0%; Pred. No. 1.3e+02;
ive 0; Mismatches 0;
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; Publication No. US20050118625A1
; GENERAL INFORMATION:
; APPLICANT: Wyeth
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Conservative 0;
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CORGANISM: Probe Sequence
US-10-956-157-104795
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Best Local Similarity
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Matches 25, Conserv
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US-10-956-157-104796
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US-10-956-157-104793

US-10-956-157-104793

Sequence 104793, Application US/10956157

Publication No. US20050118625A1

GENERAL INFORMATION:

APPLICANT: Wyeth

TITLE OF INVENTION:

TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES

TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES

TITLE OF INVENTION: UNDER: US/10/956,157

CURRENT PELING DATE: 2004-10-04

NUMBER OF SEQ ID NOS: 319805

SOFTWARE: PATENTIN VERSION 3.2

SEQ ID NO 104793

LENGTH: 25
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US-10-956-157-104794

US-10-956-157-104794

US-10-956-157-104794

Sequence 104794, Application US/10956157

Publication No. US20050118625A1

GENERAL INFORMATION:

APPLICANT: Weeh

APPLICANT: Weeh

TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH

TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH

TITLE OF INVENTION: UNCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH

TITLE OF INVENTION: UNUMBER: US/10/956,157

CURRENT APPLICATION NUMBER: US/10/956,157

CURRENT PILING DATE: 2004-10-04

NUMBER OF SEQ ID NOS: 319905

SEQ ID NO 104794
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                                              Indels
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100.0%; Pred. No. 1.3e+02;
tive 0; Mismatches 0;
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100.0%; Pred. No. 1.3e+02;
iive 0; Mismatches 0;
              Pred. No. 1.3e+02;
       Best Local Similarity 100.0%; Pred. No. 1.3
Matches 25; Conservative 0; Mismatches
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                                                                                                                   4465 GTTGTCCAGGAAATTCAGAATAAGC 4489
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hes 25; Conservative
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nes 25; Conservative
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Matches
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Matches
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APPLICANT: Wyeth
APPLICANT: Wyeth
APPLICANT: Wounts, William
TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: uS/10/956,157
CURRENT FILING DATE: 2004-110-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARES PATENTIAN OFFENDIN VERSION 3.2
SEQ ID NO 104801
LENGTH: 25
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TITLE OF INVENTION: UNCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REPERENCE: 031896-043000 (AM 101081)
CURRENT PILLOTATION WUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
SEQ ID NO 104802
LENGTH: 25
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  TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-110-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
SEQ ID NO 104800
LENGTH: 25
                                                                                                                                                                                                                                                                                         Length 25;
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100.0%; Pred. No. 1.3e+02;
tive 0; Mismatches 0;
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US-10-956-157-104802
Sequence 104802, Application US/10956157
Publication No. US20050118625A1
GENERAL INFORMATION:
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Best Local Similarity 100.0
Matches 25; Conservative
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Best Local Similarity 100.
Matches 25; Conservative
                                                                                                                                                                                     TYPE: DNA; ORGANISM: Probe Sequence
US-10-956-157-104800
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CRGANISM: Probe Sequence
US-10-956-157-104801
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ORGANISM: Probe Sequence
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US-10-956-157-104801
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                                                                                                                                                                                                                                                                   APPLICANT: Wyeth
APPLICANT: Woults, William
APPLICANT: Woults, William
TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTECARTHRITIS AND HUMAN PROTEASES
FILE REPERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION WUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
SEQ ID NO 104798
LENGTH: 25
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Publication No. US20050118625A1

GENERAL INCRMATION:
APPLICANT: Wyeth
APPLICANT: Wounts, WIlliam
APPLICANT: Wounts, WILLEC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION UNDERS: US/10/956,157
CURRENT PILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
LENGTH: 25
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Publication No. US20050118625A1
GENERAL INFORMATION:
APPLICANT: Myeth
APPLICANT: Mounts, William
TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
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    Indels
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100.0%; Pred. No. 1.38+02;
trive 0; Mismatches 0;
  0; Mismatches
                                            4468 GICCAGGAAATICAGAATAAGCAGA 4492
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                                                                                   1 Grccaggaarrcagaaraagcaga 25
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Publication No. US20050118625A1
GENERAL INFORMATION:
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Best Local Similarity 100.
Matches 25; Conservative
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ORGANISM: Probe Sequence
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US-10-956-157-104799
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US-10-956-157-104798
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GENERAL AND ANTONING STATE AND ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH APPLICANT: Wyeth APPLICANT: Wyeth APPLICANT: Wounte, William TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH TITLE OF INVENTION: HUMAN OSTEOARTHITIS AND HUMAN PROTEASES FILE REFERENCE: 031896-043000 (AM 101081) CURRENT FILING DATE: 2004-10-04 CURRENT FILING DATE: 2004-10-04 NUMBER OF SEQ ID NOS: 319805 SOFTWARE: PATENTIN VERSION 3.2 SEQ ID NO 124169
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Publication No. US20050118625A1
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Wouth
APPLICANT: Mounts, William
APPLICANT: MOUNTS EDGRETHRITS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICANTION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: PatentIn version 3.2
SEQ ID NO 126622
LENGTH: 25
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100.0%; Pred. No. 1.38+02;
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FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT PEDILCATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: PatentIn version 3.2
SEQ ID NO 104805
LENGTH: 25
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Publication No. US20050118625A1
GENERAL INFORMATION:
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CRGANISM: Probe Sequence
US-10-956-157-104805
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ORGANISM: Probe Sequence
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Best Local Similarity
Matches 25; Conserv
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US-10-956-157-124169
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TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SEQ ID NO 104803
LENGTH: 25
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TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: 031896-043000 (Am 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT PILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
SEQ ID NO 104804
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TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
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100.0%; Pred. No. 1.3e+02;
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tive 0; Mismatches
                            4462 GAAGTIGICCAGGAAATICAGAATA 4486
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US-10-956-157-104805
; Sequence 104805, Application US/10956157
; Publication No. US20050118625A1
; GENERAL INFORMATION:
; APPLICANT: Wyeth
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Publication No. US20050118625A1
GENERAL INFORMATION:
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                                                      1 GAAGTIGICCAGGAAATTCAGAATA 25
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Matches 25; Conservative
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; ORGANISM: Probe Sequence
US-10-956-157-104804
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ORGANISM: Probe Sequence
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Best Local Similarity
Matches 25; Conserv
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US-10-956-157-104803
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US-10-956-157-104804
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Sequence 139829, Application US/10956157

Bublication No. US20050118625A1

GENERAL INFORMATION:
APPLICANT: Wyeth
APPLICANT: Wouts, William
TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: NUCLEIC AND HUMAN PROTEASES
FILE REPERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157

CURRENT APPLICATION NUMBER: 2004-10-04

NUMBER OF SEQ ID NOS: 319805

SOFTWARE: PATENT VESTOR NOS: 319805
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TITLE OF INVENTION: UNCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (Am 101081)
CURRENT APPLICATION WUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
SEQ ID NO 133529
LENGTH: 25
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100.0%; Pred. No. 1.3e+02;
tive 0; Mismatches 0;
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100.0%; Pred. No. 1.3e+02;
tive 0; Mismatches 0;
         CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
SEQ ID NO 131620
LENGTH: 25
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; Publication No. US20050118625A1
; GENERAL INFORMATION:
; APPLICANT: Wyeth
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Best Local Similarity 100.
Matches 25; Conservative
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; ORGANISM: Probe Sequence
US-10-956-157-139829
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LENGTH: 25
                                                                                                                                                      TYPE: DNA
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Matches 2
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APPLICANT: Wyeth
APPLICANT: Wounts, William
APPLICANT: Wounts, William
TITLE OF INVENTION: WUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (Am. 10.081)
CURRENT APPLICATION WIMBER: US,10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319806
SOFTWARE: Patentin version 3.2
SOFTWARE: Patentin version 3.2
LENGTH: 25
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Publication No. US20050118625A1
GENERAL INFORMATION:
APPLICANT: Wyeth
APPLICANT: Wounts, William
APPLICANT: Wounts, William
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT PILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
LENGTH: 25
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APPLICANT: Wyeth
APPLICANT: Wounts, William
TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
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4685 ATACTATAACTCGAGAAAAGGCATT 4709
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Sequence 128602
Publication No. US20050118625A1
GENERAL INFORMATION:
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Best Local Similarity 100.
Matches 25, Conservative
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US-10-956-157-128602
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ORGANISM: Probe Sequence
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US-10-956-157-131620
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Sequence 14887, Application US/10956157

Publication No. US20050118625A1

Publication No. US30050118625A1

APPLICANT: Wyeth

TITLE OF INVENTION: HUMAN OSTBOARTHRITIS AND HUMAN PROTEASES

FILE REFERENCE: 031896-043000 (AM 101081)

CURRENT APPLICANTION NUMBER: US/10/956,157

CURRENT FILING DATE: 2004-10-04

NUMBER OF SEQ ID NOS: 319805

SEQ ID NO 148887

LENGTH: 25
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Publication No. US20050118625A1
GENERAL INFORMATION:
APPLICANT: Wyeth
APPLICANT: Wyeth
TITLE OF INVENTION: UCLERIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
FILE REPERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION WHERE: US/10/956,157
CURRENT PILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: PATENTIN Version 3.2
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Best Local Similarity 100.v.
                                                                                                                            TYPE: DNA
CORGANISM: Probe Sequence
US-10-956-157-147843
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; ORGANISM: Probe Sequence
US-10-956-157-148887
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ORGANISM: Probe Sequence
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US-10-956-157-148887
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US-10-956-157-149222
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LENGTH: 25
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TITLE OF INVENTION: NUCLBIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
TITLE OF INVENTION: WHASER: US/10/956,157
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT PILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
SEQ ID NO 144934
LENGTH: 25
TYPE: NUMBER OF SEQ ID NOS: 319805
SEQ ID NO 144934
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TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REPERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
SEQ ID NO 140192
LENGTH: 25
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Publication No. US20050118625A1
GENERAL INFORMATION:
APPLICANT: Wyeth
APPLICANT: Wounts, William
TITLE OF INVENTION: NUCLEIC ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROFEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
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Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 25; Conservative 0; Mismatches 0.
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1 AGATGGTTGTAAGCTATTATAGTAT 25
                                                                                                                                                 Sequence 140192, Application US/10956157; Publication No. US20050118625A1; GENERAL INFORMATION: APPLICANT: Wyeth
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CORGANISM: Probe Sequence
US-10-956-157-144934
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US-10-956-157-147843
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Sequence 103576, Application US/10956157

Publication No. US20050118625A1

Publication No. US20050118625A1

GENERAL INFORMATION:
APPLICANT: Wouth,
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES

TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES

TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES

TITLE OF INVENTION: HUMBER: US/10/956,157

CURRENT APPLICATION NUMBER: US/10/956,157

CURRENT PILING DATE: 2004-10-04

NUMBER OF SEQ ID NOS: 319805

SOFTWARE: PatentIn version 3.2

LENGTH: 25
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Sequence 164911, Application No. US20050118625A1
GENERAL INFORMATION:
GENERAL INFORMATION:
HUDAN WILLIAM:
APPLICANT: WPCTH
APPLICANT: WOUTE CALID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
TITLE OF INVENTION: 10008.
TITLE OF INVENTIO
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or Pred, No. 1.3e+02;
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Pred. No. 1.3e+02;
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100.0%; Pred. No. ...
... 0; Mismatches
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NUMBER OF SEQ ID NOS: 319805
SOFTWARE: PatentIn version 3.2
SEQ ID NO 163394
LENGTH: 25
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Best Local Similarity 100.0
Matches 25; Conservative
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Matches 25, Conservative
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ORGANISM: Probe Sequence
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; ORGANISM: Probe Sequence
US-10-956-157-163576
                                                                                                                                   TYPE: DNA
CORGANISM: Probe Sequence
US-10-956-157-163394
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Best Local Similarity
Matches 25; Conserv
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US-10-956-157-164911
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US-10-956-157-163576
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Publication No. US20050118625A1
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Wyeth
APPLICANT: Wounts, William
TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEOARTHAITIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
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Publication No. US20050118625A1
GENERAL INFORMATION:
APPLICANT: Wyeth
APPLICANT: Worth
APPLICANT: Worth
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT PILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: PATENTIN version 3.2
SEQ ID NO 160340
LENGTH: 25
                                                                                                                                                                                                                                                                                APPLICANT: MOUNTS, William
TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: 108/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: PATENT VERSION 3.2
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                            1 ACTGACTGACTAAATGACACCCAAA
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Best Local Similarity 100.
Matches 25; Conservative
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ORGANISM: Probe Sequence
US-10-956-157-151977
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LENGTH: 25
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APPLICANT: Wyeth
APPLICANT: Would william
APPLICANT: Mounts, William
TITLE OF INVENTION: NUCLBIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REFERENCE: 031895-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-110-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARES Patentin version 3.2
SEQ ID NO 182818
LENGTH: 25
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APPLICANT: Myeth
APPLICANT: MOUNTS, William
TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REFERENCE: 031895-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-110-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARES Patentin version 3.2
SEQ ID NO 183524
LENGTH: 25
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Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 25; Conservative 0; Mismatches 0;
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Publication No. US20050118625A1
GENERAL INFORMATION:
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Publication No. US20050118625A1
GENERAL INFORMATION:
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SOFTWARE: Patentin version 3.2

-SEQ ID NO 178113

-EBUGTH: 25

TYPE: DNA
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US-10-956-157-182818
                                                                                                     ORGANISM: Probe US-10-956-157-178113
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US-10-956-157-183524
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                                                                  TITLE OF INVENTION: HUMAN OSTEOATHRITIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
FILENGH DATE: 2004-10-04
SOFTWARE: PARENTIN VERSION 3.2
ENGINE NO 165780
LENGTH 25
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TITLE OF INVENTION: WOCKEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEDARTHRITIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION WUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
SEQ ID NO 17456
LENGTH: 25
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Pred. No.
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US-10-956-157-171456
; Sequence 171456, Application US/10956157
; Publication No. US20050118625A1
; GENERAL INFORMATION:
; APPLICANT: Wyeth
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; Sequence 178113, Application US/10956157
; Publication No. US20050118625A1
; GENERAL INFORMATION:
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Best Local Similarity 100.0
Matches 25; Conservative
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US-10-956-157-165780
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Sequence 212854, Application US/10956157

Sequence 212854, Application Wo. US20050118625A1

GENERAL INFORMATION:
APPLICANT: Wyeth
APPLICANT: Wouths, William
TITLE OF INVENTION: HUMAN OSTECARREITIS AND HUMAN PROTEASES
TITLE OF INVENTION: HUMAN OSTECARREITIS AND HUMAN PROTEASES
TITLE OF INVENTION: HUMAN OSTECARREITIS AND HUMAN PROTEASES
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT PILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
SOFTWARE: Patentin version 3.2
LENGTH: 25
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APPLICANT: Wyeth
APPLICANT: Wouts, William
APPLICANT: Mounts, William
APPLICANT: Mounts, William
APPLICANT: Mounts, William
TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEOARTHRITS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-110-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
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LENGTH: 25
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Pred. No. 1.38+02;
Transches 0; Indels
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1.3e+02;
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                                                                                                                                    Query Match 0.5%; Score 25; DB Best Local Similarity 100.0%; Pred. No. 1.3 Matches 25; Conservative 0; Mismatches
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; Sequence 228189, Application US/10956157
; Publication No. US20050118625A1
; GENERAL INFORMATION:
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US-10-956-157-228189
                                            TYPE: DNA
CRGANISM: Probe Sequence
US-10-956-157-212316
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US-10-956-157-212854
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Best Local Similarity
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SEQ ID NO 212316
                        LENGTH:
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APPLICANT: Wyeth

APPLICANT: Mounts, William

TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES

FILE REFERENCE: 031896-043000 (AM 101081)

CURRENT APPLICATION WINBER: US/10/956,157

CURRENT FILING DATE: 2004-10-04

NUMBER OF SEQ ID NOS: 319805
                                                        Sequence 189683, Application US/10956157

Publication No. US20050118625A1

GENERAL INFORMATION:

APPLICANT: Weath

APPLICANT: Weath

APPLICANT: Weath

TITLE OF INVENTION: HUMAN OSTEOARTHRITS AND HUMAN PROTEASES

TITLE OF INVENTION: HUMAN OSTEOARTHRITS AND HUMAN PROTEASES

TITLE OF INVENTION: HUMAN OSTEOARTHRITS AND HUMAN PROTEASES

TITLE OF INVENTION: UNUBER: US/10/956,157

CURRENT PILING DATE: 2004-10-04

NUMBER OF SEQ ID NOS: 319805

SEQ ID NO: 319863

LENGTH: 25
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Publication No. US20050118625A1
EMBRRAL INFORMATION:
APPLICANT: Wyeth
APPLICANT: Wounts, William
APPLICANT: WOUNTER CAID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT PAPLICATION WUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
SEQ ID NO 196619
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100.0%; Pred. No. 1.3e+02;
iive 0; Mismatches 0; Indels
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Matches 25; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: DNA
ORGANISM: Probe Sequence
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ORGANISM: Probe Sequence
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US-10-956-157-212316
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Best Local
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APPLICANT: Wyeth
APPLICANT: Wouls, William
APPLICANT: Wouls, William
TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REPERBNCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956.157
CURRENT FILING DATE: 2004-110-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARES PATENTIN Version 3.2
SEQ ID NO 252174
LENGTH: 25
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US-10-956-157-259129
Squarec 259129, Application US/10956157
Squarec 259129, Application No. US20050118625A1
Squarec 259129, Application No. US20050118625A1
GGENERAL INFORMATION:
APPLICANT: Wyeth
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: PatentIn version 3.2
SQCITWARE: PatentIn version 3.2
LENGTH: 25
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1.3e+02;
                                                                                                           Query Match

0.5%; Score 25; DB
Best Local Similarity 100.0%; Pred. No. 1.3
Matches 25; Conservative 0; Mismatches
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Publication No. US20050118625A1
GENERAL INFORMATION:
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Best Local Similarity 100.
Matches 25; Conservative
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                   ; TYPE: DNA
; ORGANISM: Probe Sequence
US-10-956-157-247128
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ORGANISM: Probe Sequence
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Matches 25; Conserv
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LENGTH: 25
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FILE REPERENCE: 031896-043000 (AM 10.081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: PATENTIN Version 3.2
SEQ ID NO 245906
LENGTH: 25
           Sequence 237441, Application US/10956157
Publication No. US20050118625A1
GENERAL INFORMATION:
APPLICANT: Wyeth
APPLICANT: Wounts, William
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REPERENCE: 031896-043000 (AM 101081)
CURRENT PELLING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE; Patentin version 3.2
SEQ ID NO 237441
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Publication No. US20050118625A1
GENERAL INFORMATION:
APPLICANT: Wyeth
APPLICANT: Wounts, William
TITLE OF INVENTION: HUMAN OSTGOARTHRITIS AND HUMAN PROTEASES
TITLE OF INVENTION: USCAFGOARTHRITIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT PILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
SEQ ID NO 247128
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US-10-956-157-245906
Sequence 245906, Application US/10956157
Publication No. US20050118625A1
GENERAL INFORMATION:
APPLICANT: Wyeth
MAPPLICANT: Mounts, William
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Local Similarity 100.
hes 25; Conservative
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US-10-956-157-237441
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US-10-956-157-245906
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Best Local Similarity
Matches 25; Conserv
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US-10-956-157-247128
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APPLICANT: Mounts, William TITLE OF INVENTION: MOUNTS, WILLIAM TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH TITLE OF INVENTION: HUMAN OSTBOARTHRITIS AND HUMAN PROTEASES
TITLE OF INVENTION: HUMAN OSTBOARTHRITIS AND HUMAN PROTEASES
THER REPERBENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
SEQ ID NO 276167
LENGTH: 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                 TITLE OF INVENTION: William ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARES: Patentin version 3.2
SEQ ID NO 273285
LENGTH: 25
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                                                                                            Length 25;
                                                                                                                                            0; Indels
                                                                                            Query Match 0.5%; Score 25; DB 1; I Best Local Similarity 100.0%; Pred. No. 1.38+02; Matches 25; Conservative 0; Mismatches 0;
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Best Local Similarity 100.0%; Pred. No. 1.3
Matches 25; Conservative 0; Mismatches
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US-20-956-157-276167, Application US/10956157

Sequence 276167, Application US/10956157

Publication No. US20050118625A1

GENERAL INPORMATION:

APPLICANT: Wyeth
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Publication No. US20050118625A1
GENERAL INFORMATION:
APPLICANT: Wyeth
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US-10-956-157-276167
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US-10-956-157-273285
                         , ORGANISM: Probe Sequence
US-10-956-157-272237
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Best Local Similarity
Matches 25; Conserv
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US-10-956-157-294257
                                                                                                                                                                                                                                                                                                                           RESULT 92
US-10-956-157-273285
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Publication No. US20050118625A1

GENERAL INFORMATION:

APPLICANT: Wyeth

APPLICANT: Mounts, William

TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES

TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES

CURRENT APPLICATION NUMBER: US/10/956,157

CURRENT BLING DATE: 2004-10-04

NUMBER OF SEQ ID NOS: 319805
US-10-956-157-269842

Sequence 269842, Application US/10956157

Publication No. US20050118625A1

Publication No. US20050118625A1

GENERAL INFORMATION:

APPLICANT: Wyeth

TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH

TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES

FILE REFERENCE: 031896-043000 (AM 101081)

CURRENT APPLICATION UNBER: US/10/956,157

CURRENT FILING DATE: 2004-10-04

NUMBER OF SEQ ID NOS: 319805

SEQ ID NO SEQ ID NOS: 319805

SEQ ID NO SEQ ID NOS: 319805

SEQ ID NO SEQ ID NOS: 319805
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US-10-956-157-270613
US-10-956-157-270613

y Sequence 270613, Application US/10956157

y Publication No. US20050118625A1

gENERAL INFORMATION:

APPLICANT: Wyeth

TITLE OF INVENTION: UNCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH

TITLE OF INVENTION: HUMAN OSTBOARTHRITIS AND HUMAN PROTEASES

FILE REFERENCE: 031896-043000 (AM 101081)

CURRENT APPLICATION UNDERS: US/10/956,157

CURRENT FILING DATE: 2004-10-04

NUMBER OF SEQ ID NOS: 319805

SOFTWARE: Patentin version 3.2

LENGTH: 25
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1.3e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
0.5%; Score 25; DB 1; Le
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 25; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match 0.5%; Score 25; DB Best Local Similarity 100.0%; Pred. No. 1.3 Matches 25; Conservative 0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 4637 GGAAATAAAACCTACTGATTTGTAT 4661
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: DNA
CORGANISM: Probe Sequence
US-10-956-157-270613
                                                                                                                                                                                                                                                                                                                                                                                             TYPE: DNA
ORGANISM: Probe Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT 91
US-10-956-157-272237
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LENGTH: 25
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Squence 4, Application US/10958348

Squence 4, Application US/10958348

Squence 4, Application US/10958348

Squence 4, Application US/20050158738A1

GRNERAL INFORMATION:

APPLICANT: Okamoto, Tadashi

APPLICANT: Chamoto, Tadashi

APPLICANT: Kameyama, Makoto

TITLE OF INVENTION: Probe Carrier, Probe Fixing Carrier and Method of Manufacturing th

FILE REFERENCE: 03500.016311.1

CURRENT APPLICATION NUMBER: US/10/958,348

CURRENT APPLICATION NUMBER: US 10/133,675

PRIOR RILING DATE: 2004-04-29

PRIOR FILING DATE: 2001-04-27

PRIOR PILING DATE: 2001-04-27

PRIOR FILING DATE: 2001-04-27

PRIOR FILING DATE: 2001-04-27

NUMBER OF SEQ ID NOS: 4

SOFTWARE: PatentIn Version 3.1

SEQ ID NOS: 4

SSCTUMARE: PatentIn Version 3.1
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, OTHER INFORMATION: Target sequence to be hybridized with a probe sequence
US-10-958-348-3
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OTHER INFORMATION: Probe sequence to by hybridized with a target sequence
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TITLE OF INVENTION: NOVEL CYTOKINE ZALPHAll LIGAND
                                                                                                                                                                                                                                                                                                                                                                                                      5025 AAAAAAAAAAAAAAAAAAAAA 5049
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                5025 AAAAAAAAAAAAAAAAAAAAA 5049
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Publication No. US20040260065A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: NOVAK, Julia E.
APPLICANT: Sprecher, Cindy A.
APPLICANT: Sprecher, Cindy A.
APPLICANT: Foster, Donald C.
APPLICANT: Holly, Richard D.
APPLICANT: Gross, Jane A.
APPLICANT: Johnston, Janet V.
APPLICANT: Nelson, Andrew J.
APPLICANT: Dillon, Stacey R.
  PRIOR FILING DATE: 2001-04-27
. NUMBER OF SEQ ID NOS: 4
SOFTWARE: Patentin version 3.1
SEQ ID NO 3
LENGTH: 25
                                                                                                                                 TYPE: DNA ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: DNA
ORGANISM: Artificial Sequence
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Matches 25; Conservative
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US-10-787-442-39/c
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                                                                       APPLICANT: Wyeth
APPLICANT: Wyeth
APPLICANT: Wyeth
APPLICANT: Wyeth
APPLICANT: Wounts, William
APPLICANT: WOUNTS, WILLIAM
APPLICANT: WOUNTS, WILLIAM
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROFEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION WUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
SOFTWARE: Patentin version 3.2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Mounte, William
TITLE OF INVENTION: WUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
SEQ ID NO 306258
LENGTH: 25
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APPLICANT: Okamura, Nobuyuki
APPLICANT: Okamoto, Tadashi
APPLICANT: Okamoto, Tadashi
APPLICANT: Chamoto, Tadashi
APPLICANT: Kameyama, Makoro
TITLE OF INVENTION: Probe Carrier, Probe Fixing Carrier and Method of Manufacturing of FILE REFERENCE: 03500.016371.1
FILE REFERENCE: 03500.016371.1
FILE REFERENCE: 03500.016371.1
FILE REFERENCE: 2004-10-06
PRIOR APPLICATION NUMBER: US 10/133,675
PRIOR FILING DATE: 2002-04-29
PRIOR FILING DATE: 2001-04-27
PRIOR APPLICATION NUMBER: JP 2001-133698
PRIOR FILING DATE: 2001-04-27
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100.0%; Pred. No. 1.3e+02;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 TCTCTTTGCAGAATCAGCCAGCCA 25
Sequence 294257, Application US/10956157
Publication No. US20050118625A1
GENERAL INFORMATION:
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GENERAL INFORMATION: APPLICANT: Wyeth
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Publication No. US20050158738A1
GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                          ; TYPE: DNA
; ORGANISM: Probe Sequence
US-10-956-157-294257
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Best Local Similarity
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US-10-956-157-306258
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US-10-958-348-3
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FEATURE:
OTHER INFORMATION: DNA bases used to represent integers in DNA based number system
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COLPITTS, TRACEY L.
FRIEDMAN, PAULA N.
KLASS, MICHAEL N.
KUSSELL, JOHN C.
STROUPE, STEPHEN D.
TITLE OF INVENTION: REAGENTS AND METHODS USEFUL
FOR DETECTING DISEASES OF THE LUNG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match

0.5%; Score 25; DB 1; Length 26;
Best Local Similarity 100.0%; Pred. No. 1.30+02;
Matches 25; Conservative 0; Mismatches 0; Indels
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COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette

COMPUTER: IBM COMpatible

COMPUTER: IBM COMpatible

OPERATING SYSTEM: DOS

SOFTWARE: FastSEQ for Windows Version 2.0

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/10/925,448

FILING DATE: 25-ANG-2004

CLASSIFICATION: <Unknown>
                                                                                                                                                                                                                                                                                                                                                                                                              ; OTHER INFORMATION: Oligonucleotide primer 2C7764b US-10-787-442-39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/09/092,296
FILING DATE: 05-JUNE-1998
APPLICATION NUMBER: 60/048,810
FILING DATE: 05-JUN-1997
ATTORNEY/AGENT INFORMATION:
NAME: BECKET, Cheryl L.
REGISTRATION NUMBER: 35,441
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
       CURRENT PELLON NUMBER: US/10/787,442
CURRENT FILING DATE: 2004-02-26
PRIOR PAPLICATION NUMBER: US/09/522,217
PRIOR PILING DATE: 2000-03-09
PRIOR PILING DATE: 2000-03-09
PRIOR PILING DATE: 1999-03-09
PRIOR PILING DATE: 1999-03-09
PRIOR FILING DATE: 1999-03-11
PRIOR PILING DATE: 1999-03-11
PRIOR FILING DATE: 1999-03-11
PRIOR FILING DATE: 1999-07-01
NUMBER OF SEQ ID NOS: 115
NUMBER OF SEQ ID NOS: 115
SOFTWARE: FASEEQ FOR WINDOWS VERSION 3.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CORRESPONDENCE ADDRESS:
CORRESPONDENCE ADDRESSE: Abbott Laboratories
STREET: 100 Abbott Park Road
CITY: Abbott Park
STATE: 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          5025 AAAAAAAAAAAAAAAAAAAAAA 5049
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       %30-10-925-448-10/c
; Sequence 10, Application US/10925448
; Publication No. US20050019820A1
; GENERAL INDERMATION:
    APPLICANT: BILLING-MEDEL, PATRICIA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             25 AAAAAAAAAAAAAAAAAAAAAA
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                                                                                                                                                                                                                                                                                                                                                                  TYPE: DNA
ORGANISM: Artificial Sequence
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FILE REFERENCE: 99-16
                                                                                                                                                                                                                                                                                                               SEQ ID NO 39
LENGTH: 26
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; Sequence 3, Application US/205055167A1
; Publication No. US2005055167A1
; GENERAL INFORMATION:
    APPLICANT: BHARDWAJ, LALIT M.
    APPLICANT: BHONDERAR, AMOL P.
    APPLICANT: KUMAR, RAKESH P.
    APPLICANT: BAJPAI, RAM PRAKASH
    TITLE OF INVENTION: 10A BASED NUMBER SYSTEM AND ARTITHMETIC
    TITLE OF INVENTION: 10A BASED NUMBER SYSTEM AND ARTITHMETIC
    TITLE OF INVENTION: 10A BASED NUMBER: 2004-05-19
    CURRENT FILING DATE: 2004-05-19
    NUMBER OF SEQ ID NOS: 5
    SEQ ID NO 3
    SEQ ID NO 3
    LENGTH: 32
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i Sequence 9, Application US/10942251

i Sequence 9, Application US/10942251

i Sequence 9, Application US/20050069524A1

i GENERAL INFORMATION:
    APPLICANT: Romantchikov, Yuri
    APPLICANT: ROMATION: IMPROVED METHODS FOR INSERTION OF
    TITLE OF INVENTION: MUCLEIC ACIDS INTO CIRCULAR VECTORS;
    TITLE OF INVENTION: NUMBER: US/10/942,251
    CURRENT APPLICATION NUMBER: US/09-16
    PRIOR FILING DATE: 1908-12-17
    NUMBER OF SEQ ID NOS: 50
    SEQ ID NOS: 50
    LENGTH: 25
    LENGTH: 25
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0.5%; Score 24.6; DB 1;
Best Local Similarity 96.0%; Pred. No. 1.4e+02;
Matches 24; Conservative 1; Mismatches 0;
                                                                                                                                                                                                                                                      Query Match 0.5%; Score 25; DB 1; L
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 25; Conservative 0; Mismatches 0;
TELEX: «Unknown»;

INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
TYPE: nucleic acid
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
SEQUENCE DESCRIPTION: SEQ ID NO: 10:
US-10-925-448-10
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APPLICANT: SCRIEGE: Wilson
APPLICANT: Bendege, Wilson
APPLICANT: Bendege, Wilson
TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS FOR
TITLE OF INVENTION: NOVEL GENES, CANCER
TITLE OF INVENTION: HUMAN PROSTATE CANCER
TITLE OF INVENTION: HUMAN PROSTATE CANCER
TITLE OF INVENTION: WIMBER: 09/18/10/357,930
CURRENT FILING DATE: 2003-02-04
PRIOR FILING DATE: 2003-02-16
PRIOR FILING DATE: 2000-02-17
PRIOR FILING DATE: 2000-03-16
PRIOR PRIOR APPLICATION NUMBER: 60/183,319
PRIOR FILING DATE: 2000-03-16
PRIOR PRIOR APPLICATION NUMBER: 60/199,862
PRIOR PRIOR DATE: 2000-03-16
PRIOR PRIOR DATE: 2000-06-25
PRIOR PRILING DATE: 2000-06-25
PRIOR PRILING DATE: 2000-06-29
PRIOR PRILING DATE: 2000-06-29
PRIOR PRILING DATE: 2000-06-29
PRIOR PRILING DATE: 2000-07-18
PRIOR PRINCH PRINCH PRINCH DATE: 2000-07-18
PRIOR PRINCH P
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0.5%; Score 24; DB 1; L.
Best Local Similarity 100.0%; Pred. No. 1.5e+02;
Matches 24; Conservative 0; Mismatches 0;
                               5025 AAAAAAAAAAAAAAAAAAAAAA 5048
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           OTHER INFORMATION: Synthetic Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 AAAAAAAAAAAAAAAAAAA 24
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US-10-357-930-14833/c
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US-10-831-778-961/c
; Sequence 961, Application US/10831778
; Publication No. US20040235774A1
; GENERAL INFORMATION:
; APPLICANT: Bratzler, Robert L.
; APPLICANT: Petersen. Deanna M.
; APPLICANT: Petersen. Yves
; TITLE OF INVENTION: Immunostimulatory Nucleic Acids for the TITLE OF INVENTION: Immunostimulatory Nucleic Acids for the TITLE OF INVENTION: Tractment of Asthma and Allergy File REFERENCE: Clony77013 (HCL/MAT); CURRENT APPLICATION NUMBER: US/10/831,778
; CURRENT APPLICATION NUMBER: US 60/179,991
; PRIOR FILING DATE: 2000-02-03
; NUMBER OF SEQ ID NOS: 1093
; SEQ ID NO 961
; LENGTH: 24
                                                                                                                                                                                                                                                                                                                                                                               Sequence 433, Application US/10831778
| Sequence 433, Application US/10831778
| Publication No. US20040235774A1
| GEBERAL INFORMATION:
| APPLICANT: Bratzler, Robert L. APPLICANT: Petersen, Deanna M. APPLICANT: Petersen, Deanna M. APPLICANT: Fouron, Yves
| TITLE OF INVENTION: Treatment of Aethma and Allergy FILE REFERENCE: C103/7013 (HCL/MAT)
| CURRENT APPLICATION NUMBER: US/10/831,778
| CURRENT PILING DATE: 2004-02-33 |
| PRIOR APPLICATION NUMBER: US 60/179,991 |
| PRIOR APPLICATION NUMBER: US 60/179,991 |
| PRIOR PILING DATE: 2000-02-03 |
| NUMBER OF SEQ ID NOS: 1093 |
| SEQ ID NO 433 |
| LENGTH: 24
                                                         Ouery Match 0.5%; Score 24.6; DB 1; Length 32; Best Local Similarity 87.1%; Pred. No. 1.8e+02; Matches 27; Conservative 0; Mismatches 4; Indels
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CTHER INFORMATION: Synthetic Sequence
US-10-831-778-433
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ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: DNA
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                   RESULT 102
US-10-831-778-433/c
US-10-849-491-3
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Gaps ö

Length 24;

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Sequence 5, Application US/10160786

Sequence 5, Application US/10160786

Bublication No. US20030225013A1

GENERAL INFORMATION:

APPLICANT: Suban M. Preier

APPLICANT: Kenneth W. Dobie

TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUBL.

TITLE OF INVENTION: P150 EXPRESSION

FILE REFERENCE: RTS-0376

CURRENT FILING DATE: 2002-05-31

NUMBER OF SEQ ID NOS: 147

SEQ ID NO S.

LENGTH: 23
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Publication No. US20030225013A1
GENERAL INFORMATION:
APPLICANT: Susan M. Freier
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: ANTISENER MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUBITILE OF INVENTION: P150 EXPRESSION
FILE REPERBNCE: RTS-0376
CURRENT APPLICATION NUMBER: US/10/160,786
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                        RESULT 108
US-10-719-956-529365
is Sequence 529365, Application US/10719956
; Publication No. US20040146910A1
; GENERAL INFORMATION:
is APPLICANT: Xue Mei Zhou
; TITLE OF INVENTION: Methods of Genetic Analysis of Rat
; FILE REFERENCE: 3527.1
; CURRENT APPLICATION NUMBER: US/10/719,956
; CURRENT FILING DATE: 2003-11-20
; PRIOR FILING DATE: 2002-11-20
; PRIOR FILING DATE: 2002-11-20
; NUMBER: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 529365
; ERWINE: Microarray Probe Sequence Listing Generator V 1.1
; ERWINE: N. ERWINE: Microarray Probe Sequence Listing Generator V 1.1
; ERWINE: N. ERWINE: Microarray Probe Sequence Listing Generator V 1.1
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100.0%; Pred. No. 1.7e+02;
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Pred. No. 1.7e+02;
0; Mismatches 1;
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Best Local Similarity 100.0%; Pred. No. 1.7
Matches 23; Conservative 0; Mismatches
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28 AAAAAAAAAAAAAAAAAA 5
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Local Similarity 96.0%;
hes 24; Conservative (
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ; OTHER INFORMATION: PCR Primer US-10-160-786-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ) ORGANISM: Rattus norvegicus
US-10-719-956-529365
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Matches
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; Sequence 3, Application US/10942251
; Publication No. US20050069524A1
; GENERAL INFORMATION:
; APPLICANT: Romantchikov, Yuri
; TITLE OF INVENTION: IMPROVED METHODS FOR INSERTION OF
; TITLE OF INVENTION: NUCLEIC ACIDS INTO CIRCULAR VECTORS;
FILE REFERENCE: 11639/1100 NUCLEIC ACIDS INTO CIRCULAR VECTORS;
; CURRENT APPLICATION NUMBER: US/10/942,251
; CURRENT PLING DATE: 2004-09-16
; PRIOR FILING DATE: 1998-12-17
; NUMBER OF SEQ ID NOS: 50
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 3
; LEMETH: 24
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0.5%; Score 24; DB 1; Length 24;
Best Local Similarity 100.0%; Pred. No. 1.5e+02;
Matches 24; Conservative 0; Mismatches 0; Indels
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                                                                                Length 24;
                                                                                                                                0; Indels
                                                                             Score 24; DB 1; L
Pred. No. 1.5e+02;
                                                                             Query Match 0.5%; Score 24; DB Best Local Similarity 100.0%; Pred. No. 1.: Matches 24; Conservative 0; Mismatches
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; Publication No. US20050069524A1
; GENERAL INFORMATION:
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ORGANISM: Artificial Sequence
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     ; ORGANISM: Homo sapiens
US-10-357-930-14833
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US-10-942-251-12/c
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Sequence 285, Application US/10721793

Sequence 286, Application US/10721793

Sequence 286, Application No. US2005006531A1

GENERAL INFORMATION:

APPLICANT: Corona Villegas, Miguel

APPLICANT: Garcia Rodriguez, Ma Consuelo

APPLICANT: Gerril Lujan, Baltazar

APPLICANT: Bossani Postay, Lourival Domingos

TITLE OF INVENTION: Recombinant Immunogens for the Generation of Antivenoms to the

TITLE OF INVENTION: Renom of Scorpions of the Genus Centrurcoides

TITLE OF INVENTION: Venom of Scorpions of the Genus Centrurcoides

CURRENT APPLICATION NUMBER: US/10/721,793

CURRENT FILING DATE: 2003-11-26

PRIOR APPLICATION NUMBER: US 60/430,067

PRIOR PILING DATE: 2002-12-02

NUMBER OF SEQ ID NOS: 294

SSOTWARE PatentIn version 3.1

LENGTH: 24
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                                                                                                                                                                              Sequence 10, Application US/10048866D

Publication No. US20050003476A1

GENERAL INFORMATION:

APPLICANT: SUNTORY LIMITED

TITLE OF INVENTION: Novel gene encoding glycosyltransferase

FILE REFERENCE: 1003552

CURRENT FILING DATE: 2002-02-04

NUMBER OF SEQ ID NOS: 14

SOFTWARE: Patentin Ver. 2.1

LENGTH: 23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:Primer
US-10-048-866D-10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match 0.5%; Score 23; DB 1; Length 23; Best Local Similarity 100.0%; Pred. No. 1.7e+02; Matches 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       LOCATION: (1)..(\(\bar{5}4\)) OTHER INFORMATION: oligonucleotite T22NN
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                             2476 TATGCCCTTACTTGTATGTGCCA 2498
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OTHER INFORMATION: n is a, t, g, or
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LOCATION: (23)...(23)
OTHER INFORMATION: n is a, t,
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NAME/KEY: primer bind
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US-10-721-793-285/c
                                                                                                                                                                    US-10-048-866D-10/c
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| Publication No. US20040063657A1
| GENERAL INFORMATION:
| APPLICANT: Susan M. Freier
| APPLICANT: Kenneth W. Dobie
| TITLE OF INVENTION: PISO EXPRESSION
| FILE REPRENCE: RTS-0376
| CURRENT APPLICATION NUMBER: US/10/667,022
| CURRENT FILING DATE: 2003-09-18
| SEQ ID NO S: 147
| LENGTH: 23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence of Application US/10667022
Publication No. US20040063657A1
GRNERAL INFORMATION:
APPLICANT: Susan M. Freier
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUBTILLE OF INVENTION: P150 EXPRESSION
FILE REFERENCE: RTS-0376
CURRENT APPLICATION NUMBER: US/10/667,022
CURRENT FILING DATE: 2003-09-18
NUMBER OF SEQ ID NOS: 147
SEQ ID NO 6
LENGTH: 23
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CURRENT FILING DATE: 2002-05-31
NUMBER OF SEQ ID NOS: 147
SEQ ID NO 6
LENGTH: 23
                                                                                        TYPE: DNA
ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
                                                                                                                                                             ) OTHER INFORMATION: PCR Primer US-10-160-786-6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ; OTHER INFORMATION: PCR Primer US-10-667-022-5
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Best Local Similarity 100.
Matches 23; Conservative
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US-10-667-022-6/c
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US-10-667-022-5
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                                                                                                                                            FEATURE:
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RESULT 118
US-10-719-956-529364
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US-10-085-906-78/c
                                                                                                                                                                                                                                         TYPE: DNA
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Sequence 45762, Application US/10719956

Publication No. US20040146910A1

GENERAL INFORMATION:

APPLICANT: Xue Mei Zhou

TITLE OF INVENTION: Methods of Genetic Analysis of Rat

FILE REFERENCE: 3527.1

CURRENT APPLICATION NUMBER: US/10/719,956

CURRENT FILING DATE: 2003-11-20

PRIOR PILING DATE: 2002-11 20

NUMBER: OF SEQ ID NOS: 699466

SOFFWARE: Microarray Probe Sequence Listing Generator V 1.1

LEMUTH: 25
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Publication No. US20040146910A1
GENERAL INFORMATION:
TITLE OF INVENTION: Methods of Genetic Analysis of Rat
FILE REPERBUES: 3527.1
CURRENT FILING DATE: 2003-11-20
PRIOR PPLICATION NUMBER: 60/427,836
PRIOR FILING DATE: 2002 11-20
NUMBER OF SEQ ID NOS: 699466
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
LENGTH: 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match 0.4%; Score 21.8; DB 1; Length 25; Best Local Similarity 92.0%; Pred. No. 2.3e+02; Matches 23; Conservative 0; Mismatches 2; Indels
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                                     0.4%; Score 22; DB 1; Length 24;
100.0%; Pred. No. 2.1e+02;
tive 0; Mismatches 0; Indels
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; Sequence 159330, Application US/10719956
; Publication No. US20040146910A1
                                                                                                               5025 AAAAAAAAAAAAAAAAA 5046
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1 AGGCTTCATTGTGACTGCTTCTAG 25
                                                                                                                                     22 AAAAAAAAAAAAAAAAA 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ; TYPE: DNA
; ORGANISM: Rattus norvegicus
US-10-719-956-45762
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ; TYPE: DNA
; ORGANISM: Rattus norvegicus
US-10-719-956-150046
                                                   Local Similarity 100.0
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Matches 23; Conserv
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US-10-721-793-285
                                   Query Match
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                                                                         Matches
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APPLICANT: Ying, Vincent
APPLICANT: Ying, Vincent
APPLICANT: Ying, Vincent
APPLICANT: Wu, Paul
APPLICANT: Wu, Paul
APPLICANT: Gray, Gary S.
TITLE OF INVENTION: COSTIMULATORY RECEPTOR LOCUS AND USES THEREOF
TITLE OF INVENTION: COSTIMULATORY RECEPTOR LOCUS AND USES THEREOF
TITLE OF INVENTION: COSTIMULATORY RECEPTOR LOCUS AND USES THEREOF
TITLE OF INVENTION: 2002-02-27
CURRENT APPLICATION NUMBER: US/10/085,906
CURRENT APPLICATION NUMBER: US 90/534,061
PRIOR FILING DATE: 1999-03-25
PRIOR FILING DATE: 2000-03-24
PRIOR FILING DATE: 2000-03-24
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GENERAL INFORMATION:

APPLICANT: Xue Mei Zhou
TITLE OF INVENTION: Methods of Genetic Analysis of Rat
TITLE OF INVENTION: Methods of Genetic Analysis of Rat
FILE REPERENCE: 3227.1

CURRENT APPLICATION NUMBER: 0S/10/719,956

PRIOR APPLICATION NUMBER: 60/427,836

PRIOR PILING DATE: 2002 11 20

NUMBER OF SEQ ID NOS: 699466

SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1

SEQ ID NO 159330
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 529364, Application US/10719956
; Bublication No. US20040146910A1
; GENERAL INFORMATION:
; APPLICANT: Xue Mei Zhou
; TITLE OF INVENTION: Methods of Genetic Analysis of Rat
; FILE REFERENCE: 35.27.1
; CURRENT APPLICATION NUMBER: US/10/719,956
; CURRENT FILING DATE: 2003-11-20
; RUMBER OF SEQ ID NOS: 699466
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 529364
; LEMOTH: 25
; "WHOR FILING ADDITION NOT SEQUENCE INSTITUTE CONTINUED IN SEQ ID NOS: 699466
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; LEMOTH: 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match 0.4%; Score 21.8; DB 1; Length 25; Best Local Similarity 92.0%; Pred. No. 2.3e+02; Matches 23; Conservative 0; Mismatches 2; Indels
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Publication No. US20030054371A1
                                                                                                                                                                                                                                                                                                                                                                                                            ; ORGANISM: Rattus norvegicus
US-10-719-956-159330
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US-10-719-956-529364
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RESULT 122
US-10-830-287A-7/c
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| Publication No. US20020166142A1
| GENERAL INFORMATION:
| APPLICANT: Witsuhara, Ichiro
| APPLICANT: Ohshima, Masahiro
| APPLICANT: Ohshima, Masahiro
| TITLE OF INVENTION: Pathogen-Resistant Plants and Method for INTER OF SOURCES: 19
| CORRESPONDENCE ADDRESS: 19
| CORRESPONDENCE ADDRESS: Townsend and Townsend and Crew LLP
                                                                                                                                                                                    Query Match 0.4%; Score 21.2; DB 1; Length 27; Best Local Similarity 88.5%; Pred. No. 2.8e+02; Matches 23; Conservative 0; Mismatches 3; Indels
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100.0%; Pred. No. 2.2e+02;
tive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CURRENT APPLICATION DATA:
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/805,813
FILING DATE: No. US20020166142A1 yet assigned CLASSIFICATION: 800
PRIOR APPLICATION NUMBER: US 8-068809
FILING DATE: 25-MAR-1996
FILING DATE: 25-MAR-1996
FILING DATE: 17-ML-1996
ATTORNEY/AGENT INFORMATION:
NAME: Bastian, Kevin L.
REGISTRATION NUMBER: 34,774
REFERENCE/DOCKET NUMBER: 34,774
REFERENCE/DOCKET NUMBER: 84,774
REFERENCE/DOCKET NUMBER: 85760-000000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ; NAME/KEY: -
; LOCATION: 1..21
; OTHER INFORMATION: /note= "BKSBE primer"
US-08-805-813-4
                                                                                                                                                                                                                                                                            5025 AAAAAAAAAAAAAAAAAAAAAAA 5050
NUMBER OF SEQ ID NOS: 545
SOFTWARE: FastSEQ for Windows Version 4.0
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COMPUTER READABLE FORM:
MEDIUM TYPE: Ploppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 21 base pairs
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Best Local Similarity 100.
Matches 21; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         nucleic acid
EDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CITY: San Francisco
STATE: California
                                                                                          ; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-085-906-78
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                                             SEQ ID NO 78
LENGTH: 27
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Gaps

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APPLICANT: Jones, Brandt B.
APPLICANT: Glasen, Charles B.
APPLICANT: Glaser, Peter M.
TITLE OF INVENTION: OLIGONUCLECTIDE COMPLEXES FOR USE AS ANTI-VIRAL THERAPEUTICS
TITLE OF INVENTION: OLIGONUCLECTIDE COMPLEXES FOR USE AS ANTI-VIRAL THERAPEUTICS
FILE REFERENCE: 007180-19
CURRENT FILING DATE: 2004-04-21
PRIOR APPLICATION NUMBER: 60/464,270
PRIOR PILING DATE: 2003-04-21
NUMBER OF SEQ ID NOS: 12
SOFTWARE: Patentin version 3.2
SEQ ID NO 7
LENGTH.
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                                                                                                     APPLICANT: Bratzler, Robert L.
APPLICANT: Petersen, Deanna M.
APPLICANT: Petersen, Deanna M.
APPLICANT: Fouron, Yves
TITLE OF INVENTION: Treatment of Asthma and Allergy
TITLE OF INVENTION WUMBER: US/10/831,778
PRIOR APPLICATION WUMBER: US 60/179,991
PRIOR PELLING DATE: 2000-02-03
NUMBER OF SEQ ID NOS: 1093
SOFTWARE: FastSEQ for Windows Version 3.0
IENGTH: 21
LENGTH: 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match (0.4%; Score 21; DB 1; Length 21; Best Local Similarity 100.0%; Pred. No. 2.2e+02; Matches 21; Conservative 0; Mismatches 0; Indels
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100.0%; Pred. No. 2.2e+02;
iive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               OTHER INFORMATION: Synthetic Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        5025 AAAAAAAAAAAAAAAAAAA 5045
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                     Sequence 912, Application US/10831778
Publication No. US20040235774A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; Sequence 7, Application US/10830287A; Publication No. US20050038238A1 EBENEAL INFORMATION: APPLICANT: Kriesel, John D.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          21 AAAAAAAAAAAAAAAAAA 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: DNA ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Best Local Similarity 100.0
Matches 21; Conservative
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US-10-831-778-912/c
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APPLICANT: 1884, Jean-Pierre
TITLE OF INVENTION: CACNAIG POLYNUCLEOTIDE POLYPEPTIDE AND
TITLE OF INVENTION: METHODS OF USE THEREFOR
FILLE REPERENCE: JUL1590
CURRENT APPLICATION NUMBER: US/10/930,301
CURRENT FILLING DATE: 2004-08-30
PRIOR APPLICATION NUMBER: US/09/398,522
PRIOR FLICTION NUMBER: US/09/398,522
NUMBER OF SEQ ID NOS: 120
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 44
LENGTH: 26
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 127
US-10-664-000-3/c
Sequence 3, Application US/10664000
; Publication No. US20040248144A1
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RESULT 123
US-10-601-140A-43
US-10-601-140A-43

Sequence 43, Application US/10601140A

PUBLICATION NO. US2005053942A1

GENERAL INFORMATION:
APPLICANT: KAUPPINEN, SAKARI

APPLICANT: AROPENEN, NAWA

TITLE OF INVENTION: METHODS AND SYSTEMS FOR DETECTION AND ISOLATION OF A

TITLE OF INVENTION: NUCLEORINE SEQUENCE

TITLE OF INVENTION: NUCLEORINE SEQUENCE

CURRENT APPLICATION NUMBER: US/10/601,140A

CURRENT FILING DATE: 2003-06-20

PRIOR APPLICATION NUMBER: US 60/390,928

PRIOR RILING DATE: 2002-06-24

NUMBER OF SEQ ID NOS: 45

SOFTWARE: PatentIn Ver. 3.2

SEQ ID NO 43

LENGTH: 21
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; Sequence 4, Application US/10930301
; Publication No. US20050026207A1
; GENERAL INFORMATION:
    TITLE OF INVENTION: CACMAIG POLYNUCLECTIDE POLYPEPTIDE AND TITLE OP INVENTION: CACMAIG POLYNUCLECTIDE POLYPEPTIDE AND TITLE OP INVENTION: CACMAIG POLYNUCLECTIDE POLYPEPTIDE AND TITLE OP INVENTION: METHODS OF USE THEREFOR FILE OP INVENTION NUMBER: US/10/930,301
; CURRENT APPLICATION NUMBER: US/09/398,522
; PRIOR FILING DATE: 1999-09-15
; RIOR FILING DATE: 1999-09-15
; NUMBER OF SEQ ID NOS: 120
; SOPTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 26
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ; OTHER INFORMATION: Description of Artificial Sequence: Primer US-10-601-140A-43
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match 0.4%; Score 20.4; DB 1; Length 26; Best Local Similarity 87.5%; Pred. No. 3.1e+02; Matches 21; Conservative 1; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0.4%; Score 21; DB 1; Length 21; 100.0%; Pred. No. 2.2e+02; tive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               OTHER INFORMATION: Bisulfite-PCR primer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        5044 AAAAAAAAAAAAAAAAAAAACTC 5067
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; Sequence 44, Application US/10930301
; Publication No. US20050026207A1
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NAME/KEY: misc feature

LOCATION: (0)...(0)

CTHER INFORMATION: r = G or A

US-10-930-301-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: DNA
ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
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Best Local Similarity 100.(
Matches 21, Conservative
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US-10-930-301-4
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                                                             OTHER INFORMATION: Primer useful for bisulfite/PCR analysis of OTHER INFORMATION: CACNAIG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 98, Application US/10930301
; Sequence 98, Application US/10930301
; Publication No. US20050026207A1
; GENERAL INFORMATION:
    TITLE OF INVENTION: CACNAIG POLYNUCLEOTIDE POLYPEPTIDE AND TITLE OF INVENTION: METHODS OF USE THEREFOR
; TITLE OF INVENTION: METHODS OF USE THEREFOR
; FILE REFERENCE: JUL1590
CURRENT FILING DATE: 2004-08-30
; FRICH APPLICATION NUMBER: US/10/939,301
; CURRENT FILING DATE: 1999-09-15
; NUMBER OF SEQ ID NOS: 120
; SOFTWARE: PSECSEQ for Windows Version 4.0
; SEQ ID NO 98
; LENGTH: 26
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                                                                                                                                                                                                                                                                     Query Match 0.4%; Score 20.4; DB 1; Length 26; Best Local Similarity 87.5%; Pred. No. 3.1e+02; Matches 21; Conservative 1; Mismatches 2; Indels
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Best Local Similarity 87.5%; Pred. No. 3.1e+02;
Matches 21; Conservative 1; Mismatches 2;
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LOCATION: (0)...(0)
COTHER INFORMATION: y = C or T
US-10-930-301-98
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: DNA ORGANISM: Artificial Sequence
TYPE: DNA
ORGANISM: Artificial Sequence
                                                                                                                           ; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (0)...(0)
; OTHER INFORMATION: r = G or US-10-930-301-44
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5024 TAAAAAAAAAAAAAAAAA 5044
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US-10-601-140A-32
                                                                                                                                NAME/KEY: modified_base
LOCATION: (11)
OTHER INFORMATION: LNA monomer
                                                                                                                                                                                                                           LOCATION: (13)
OTHER INFORMATION: LNA monomer
FEATURE:
                                                                                                                                                                                                                                                                                                 NAME/KEY: modified_base
LOCATION: (15)
OTHER INFORMATION: LNA monomer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NAME/KEY: modified_base
LOCATION: (19)
OTHER INFORMATION: LNA monomer
FEATURE:
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OTHER INFORMATION: LNA monomer
          THER INFORMATION: LNA monomer
                                                                       LOCATION: (9)
OTHER INFORMATION: LNA monomer
                                                                                                                                                                                                                                                                                                                                                                                                                             OTHER INFORMATION: LINA monomer
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ORGANISM: Artificial Sequence
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                    NAME/KEY: modified_base
LOCATION: (17)
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NAME/KEY: modified_base
                                               modified_base
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US-10-601-1404-12/C
; Sequence 32, Application US/10601140A
; Publication No. US20050053942A1
; GENERAL INFORMATION:
; APPLICANT: AACUPINEN: SACARI
; APPLICANT: AACUPINEN: METHODS AND SYSTEMS FOR DETECTION AND ISOLATION OF A
; TITLE OF INVENTION: MUCHEOTIDE SEQUENCE
; FILE REPERENCE: 57764 (71994)
; CURRENT APPLICATION NUMBER: US/10/601,140A
; FILE REPELICATION NUMBER: US 60/390,928
; RIOR FILING DATE: 2002-06-24
; ROOFTWARE: PALENTING VET: 3.2
; SEQ ID NOS: 45
; SEQ ID NO 3.2
LENGTH: 2.2
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THER INFORMATION: Description of Artificial Sequence: Synthetic
THER INFORMATION: oligonucleotide
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Pred. No. 2.7e+02;
1; Mismatches 0;
GENERAL INFORMATION:
APPLICANT: Mir, Kalim
TITLE OF INVENTION: Arrays and Methods of Use
FILE REFERENCE: 8654/2182
CURRENT APPLICATION NUMBER: US/10/664,000
CURRENT FILING DATE: 2003-09-16
PRIOR APPLICATION NUMBER: PCT/GB02/01245
PRIOR PILING DATE: 2002-03-18
PRIOR FILING DATE: 2001-03-16
PRIOR PILING DATE: 2001-03-16
PRIOR PILING DATE: 2001-03-16
PRIOR FILING DATE: 2001-03-16
PRIOR FILING DATE: 2001-03-16
PRIOR FILING DATE: 2001-03-16
SPRIOR FILING APPLICATION NUMBER: GB0118879-6
PRIOR FILING DATE: 2001-08-02
SOFTWARE: PATENTIN VETSION 3.2
SEQ ID NO 3
LENGTH: 22
                                                                                                                                                                                                                                                                                                                                                                                                                               ; NAME/KEY: misc feature
; LOCATION: (22)...(22)
; OTHER INFORMATION: n is a, c, g, or
US-10-664-000-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            5024 TAAAAAAAAAAAAAAAAAA 5044
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        21 BAAAAAAAAAAAAAAAA 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NAME/KEY: modified_base
COCATION: (5)
THER INFORMATION: LNA monomer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         LOCATION: (3)
OTHER INFORMATION: LNA monomer
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THER INFORMATION: LNA monomer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: DNA
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity 95.2%;
Matches 20; Conservative
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COCATION: (7)
                                                                                                                                                                                                                                                                                                                                          TYPE: DNA ORGANISM: Artificial
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Sequence 45, Application US/10601140A
| Sequence 45, Application Wo. US20050053942A1
| Sequence 45, Application Wo. US20050053942A1
| GENERAL INFORMATION:
| APPLICANT: KAUPPINEN, SAKARI
| APPLICANT: JACOBSEN, NANA
| TITLE OF INVENTION: WICLEOTIDE SEQUENCE
| TITLE OF INVENTION: WICLEOTIDE SEQUENCE
| TITLE OF INVENTION: WICLEOTIDE SEQUENCE
| TITLE OF INVENTION: WICHOIDS AND SYSTEMS FOR DETECTION AND ISOLATION OF A
| TITLE OF INVENTION: WICHOUTE SEQUENCE
| TITLE OF INVENTION: WICHOUTE SEQUENCE
| TITLE OF INVENTION WINDER: US/10/601,140A
| CURRENT APPLICATION NUMBER: US 60/390,928
| PRIOR APPLICATION WINDER: US 60/390,928
| NUMBER OF SEQ ID NOS: 45
| SEQ ID NO 45
| LENGTH: 22
| LENGTH: 22
| LENGTH: 22
                                                                                            Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      OTHER INFORMATION: Description of Artificial Sequence: Synthetic OTHER INFORMATION: oligonucleotide
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Query Match 0.4%; Score 20.2; DB 1; Length 22; Best Local Similarity 95.2%; Pred. No. 2.7e+02; Matches 20; Conservative 1; Mismatches 0; Indels
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US-10-085-906-144/c
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                                                                                                                                                                                                                                        GENERAL INFORMATION:
GENERAL INFORMATION:
TITLE OF INVENTION:
TITLE OF INVENTION:
CURRENT APPLICATION NUMBER: US/10/719,956
CURRENT FILING DATE: 2003-11-20
PRIOR PRIOR PILING DATE: 2002-11-20
PRIOR FILING DATE: 2002-11-20
NUMBER OF SEQ ID NOS: 699466
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
LENGTH: 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   "Sequence 150045, Application US/10719956
; Sequence 150045, Application US/10719956
; Publication No. US20040146910A1
; GENERAL INFORMATION:
; APPLICANT: We Mei Zhou
; TITLE OF INVENTION: Methods of Genetic Analysis of Rat
; FILE REFERENCE: 3527.1
; CURRENT APPLICATION NUMBER: 05/10/719,956
; PRIOR APPLICATION NUMBER: 60/427,836
; PRIOR PILING DATE: 2002-11-20
; NUMBER OF SEQ ID NOS: 699466
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
ENGTH: 25
Query Match 0.4%; Score 20.2; DB 1; Length 22; Best Local Similarity 95.2%; Pred. No. 2.7e+02; Matches 20; Conservative 1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match 0.4%; Score 20.2; DB 1; Length 25; Best Local Similarity 88.0%; Pred. No. 3.1e+02; Matches 22; Conservative 0; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0.4%; Score 20.2; DB 1; Length 25; larity 88.0%; Pred. No. 3.1e+02; Conservative 0; Mismatches 3; Indels
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Publication No. US20040146910A1
GENERAL INFORMATION:
APPLICANT: Xue Mei Zhou
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1 AAGGCACGGAGGATGTCCAGGAAAT 25
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                                                                                    5024 TAAAAAAAAAAAAAAAA 5044
                                                                                                                             21 BAAAAAAAAAAAAAAA 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ; TYPE: DNA
; ORGANISM: Rattus norvegicus
US-10-719-956-45761
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nes 22; Conserv
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US-10-719-956-159329
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US-10-719-956-150045
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Best Local S
Matches 22
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APPLICANT: Wing, Vincent
APPLICANT: Wi, Paul
APPLICANT: Gray, Gary, Gary
TITLE OF INVENTION: POLYMORPHIC ELEMENTS IN THE
TITLE OF INVENTION: COSTIMULATORY RECEPTOR LOCUS AND USES THEREOF
TITLE OF INVENTION: COSTIMULATORY RECEPTOR LOCUS AND USES THEREOF
TITLE OF INVENTION: COSTIMULATORY RECEPTOR LOCUS AND USES THEREOF
TILE REFERENCE: GNN-543672
CURRENT APPLICATION NUMBER: US/10/085,906
CURRENT FILING DATE: 1000-02-27
PRIOR APPLICATION NUMBER: US 60/126,215
PRIOR APPLICATION NUMBER: US 09/534,061
PRIOR FILING DATE: 2000-03-24
PRIOR FILING DATE: 2000-03-24
NUMBER OF SEQ ID NOS: 545
SOFTWARE: FastSEQ for Windows Version 4.0
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; Publication No. US20040146910A1
; Publication No. US20040146910A1
; GENERAL INFORMATION:
; APPLICANT: Xue Mei Zhou
; TITLE OF INVENTION: Methods of Genetic Analysis of Rat
; FILE REFERENCE: 3.27
; CURRENT FILING DATE: 2003-11-20
; PRIOR FILING DATE: 2003-11-20
; RUMBER OF SEQ ID NOS: 699466
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 415353
                                                                                                                                                                                                                                                                                                                                                                                          Score 20.2; DB 1; Length 25;
Pred. No. 3.1e+02;
0; Mismatches 3; Indela
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Pred. No. 3.1e+02;
                       FILE REFERENCE: 3527.1
CURRENT APPLICATION NUMBER: US/10/719,956
CURRENT FILING DATE: 2003-11-20
PRIOR APPLICATION NUMBER: 60/427,836
PRIOR FILING DATE: 2002 11 20
NUMBER OF SEQ ID NOS: 699466
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 159329
LENGTH: 25
TITLE OF INVENTION: Methods of Genetic Analysis of Rat
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Best Local Similarity 88.0%; Pred. No. 3.1e
Matches 22; Conservative 0; Mismatches
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; Publication No. US20030054371A1
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity 88.0%;
Matches 22; Conservative
                                                                                                                                                                                                                                                                                                                   ORGANISM: Rattus norvegicus US-10-719-956-159329
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ) ORGANISM: Rattus norvegicus
US-10-719-956-415353
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Sequence 12, Application US/10160786
Publication No. US20030225013A1
GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
TAPLICANT: Steam M. Freier
APPLICANT: Renneth W. Dobie
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUBI
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUBI
TITLE OF INVENTION: P150 EXPRESSION
FILE REFERENCE: RTS-0376
CURRENT APPLICATION NUMBER: US/10/160,786
CURRENT FILING DATE: 2002-05-31
NUMBER OF SEQ ID NOS: 147
SEQ ID NO 12
LENGTH: 20
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Publication No. US20030225013A1

GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: SHEAD M. Dobie
TITLE OF INVENTION: P150 EXPRESSION
TITLE OF INVENTION: P150 EXPRESSION
FILE REFERENCE: RTS-0376
CURRENT APPLICATION NUMBER: US/10/160,786
CURRENT PILING DATE: 2002-05-31
NUMBER OF SEQ ID NOS: 147

SEQ ID NO 13

BENGTH: 20

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BENGTH: 20

WANTED AND 13
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                                                                                                                                                                                                                                                                                                                                                                                    Length 20;
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                                                                                                                                                                                                                                                                                                                                                                                    DB 1; Le
                                                                                                                                                                      TYPE: DNA
CRANISM: Artificial Sequence
FEATURE:
1 PEATURE:
1 OTHER INSEMATION: AntiBense Oligonucleotide
US-10-160-786-11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ) OTHER INFORMATION: Antisense Oligonucleotide US-10-160-786-12
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COTHER INFORMATION: Antisense Oligonucleotide
US-10-160-786-13
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0.4%; Score 20; DB
Best Local Similarity 100.0%; Pred. No. 2.6
Matches 20; Conservative 0; Mismatches
CURRENT APPLICATION NUMBER: US/10/160,786
CURRENT FILING DATE: 2002-05-31
NUMBER OF.SEQ ID NOS: 147
SEQ ID NO 11
LENGTH: 20
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ORGANISM: Artificial Sequence
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Best Local Similarity
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US-10-160-786-13/c
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US-10-160-786-11/c
Sequence 11, Application US/10160786
Sequence 11, Application US/10160786
Publication No. US20030225013A1
GENERAL INFORMATION:
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: ANTIEBNSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUE
TITLE OF INVENTION: P150 EXPRESSION
FILE REFERENCE: RTS-0376
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             GARDERAL INNORMATION:

APPLICANT: Mirkin, Chad A.

APPLICANT: Mirkin, Chad A.

APPLICANT: Mucic, Robert C.

APPLICANT: Mucic, Robert C.

APPLICANT: Mucic, Robert C.

APPLICANT: Elghanian, Robert C.

APPLICANT: Taton, Thomas A.

TITLE OF INVENTION: NANDRARTICLES HAVING OLIGONUCLEOTIDES ATTACHED THERETO

TITLE OF INVENTION: AND USES THEREFOR

FILE REFERENCE: 00-713-123

CURRENT APPLICANTION NUMBER: 09/603,000

FRIOR APPLICANTON NUMBER: 09/603,000

FRIOR APPLICANTON NUMBER: 09/344,667

FRIOR APPLICATION NUMBER: 09/344,667

FRIOR APPLICATION NUMBER: 09/340,755

FRIOR APPLICATION NUMBER: 09/240,755

FRIOR APPLICATION NUMBER: 60/200,161

FRIOR FILING DATE: 1997-07-21

FRIOR APPLICATION NUMBER: 60/200,161

FRIOR APPLICATION NUMBER: 60/200,161

FRIOR APPLICATION NUMBER: 60/200,161

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                                                                                                                                                                                                      Query Match 0.4%; Score 20.2; DB 1; Length 26; Best Local Similarity 88.0%; Pred. No. 3.2e+02; Matches 22; Conservative 0; Mismatches 3; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match

0.4%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 20; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                         26 AAAAAATAAAAATAAAAA 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RESULT 135
US-09-976-900A-55
IS-09-976-900A-55
Publication US/09976900A
GENERAL INFORMATION:
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ORGANISM: Artificial Sequence
                                                               TYPE: DNA
ORGANISM: Homo sapiens
US-10-085-906-144
SEQ ID NO 144; LENGTH: 26
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Page 38

""ELICANT: Kenneth W. Dobie
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUBL.
TITLE OF INVENTION: P150 EXPRESSION
FILE REFERENCE: RTS-0376
CURRENT FILING DATE: 2002-05-31
NUMBER OF SEQ ID NOS: 147
SEQ ID NO 16
LENGTH: 20
TYPE: NOT
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APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUBULATION OF PLOS INVENTION: APPLICANTION: P150 EXPRESSION
FILE REFERENCE: RTS-0376
CURRENT APPLICATION NUMBER: US/10/160,786
CURRENT FILING DATE: 2002-05-31
NUMBER OF SEQ ID NOS: 147
SEQ ID NO 17
LENGTH: 20
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| Sequence 18, Application US/10160786
| Publication No. US2030225013A1
| GENERAL INFORMATION:
| APPLICANT: Susan M. Freier
| APPLICANT: Senneth W. Dobie
| TITLE OF INVENTION: ANTIENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUB:
| TITLE OF INVENTION: P150 EXPRESSION
| TITLE OF INVENTIO
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0.4%; Score 20; DB 1; Lu
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 20; Conservative 0; Mismatches 0;
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OTHER INFORMATION: Antisense Oligonucleotide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ; OTHER INFORMATION: Antisense Oligonucleotide US-10-160-786-17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ) OTHER INFORMATION: Antisense Oligonucleotide US-10-160-786-16
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ; Sequence 17, Application US/10160786; Publication No. US20030225013A1; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           559 CTTGCCATTATGGGAAATCA 578
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ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ORGANISM: Artificial Sequence
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Matches 20; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RESULT 142
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Bublication No. US20030225013A1

GENERAL INFORMATION:
APPLICANT: Susan M. Freier
APPLICANT: Susan M. Freier
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUBTILE OF INVENTION: AP15 EXPRESSION
FILE REFERENCE: RES-0376
CURRENT APPLICATION NUMBER: US/10/160,786
CURRENT FILING DATE: 2002-05-31

NUMBER OF SEQ ID NOS: 147

SEQ ID NO 15

LENGTH: 20
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Publication No. US20030225013A1

GENERAL INFORMATION:

GENERAL INFORMATION:

APPLICANT: Nean M. Preier

APPLICANT: Kenneth W. Dobie

TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUB-
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUB-
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUB-
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUB-
TITLE OF INVENTION: US-120

CURRENT APPLICANTON NUMBER: US/10/160,786

CURRENT APPLICANTON NUMBER: US/10/160,786

CURRENT FILING DATE: 2002-05-31

NUMBER OF SEQ ID NOS: 147

SEQ ID NOS: 147
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100.0%; Pred. No. 2.6e+02;
iive 0; Mismatches 0;
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0.4%; Score 20; DB 1; L
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 20; Conservative 0; Mismatches 0;
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US-10-160-786-16/c
; Sequence 16, Application US/10160786
; Publication No. US20030225013A1
; PUBLICATION:
; APPLICANT: Susan M. Freier
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         486 CCTCTGAACGATTTTGACAC 505
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ORGANISM: Artificial Sequence
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US-10-160-786-15/c
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US-10-160-786-14/c
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APPLICANT: Susan M. Freier

APPLICANT: Susan M. Dobie

TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUB

TITLE OF INVENTION: P150 EXPRESSION

TITLE OF INVENTION: P150 EXPRESSION

CURRENT APPLICATION NUMBER: US/10/160,786

CURRENT APPLICATION NUMBER: 2002-05-31

NUMBER OF SEQ ID NOS: 147

LENGTH: 20
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Square 22/C
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US-10-160-786-23/C

Sequence 23, Application US/10160786

Sequence 23, Application No. US2030225013A1

GENERAL INFORMATION:
SENERAL INFORMATION:
TOTALE OF INVENTION:
TITLE OF 
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0.4%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 20; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ) OTHER INFORMATION: Antisense Oligonucleotide US-10-160-786-21
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    Sequence 21, Application US/10160786 Publication No. US20030225013A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            780 GGAGGAACTGAAATCAGGC 799
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: DNA
ORGANISM: Artificial Sequence
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Publication No. US20030225013A1
GENERAL INFORMATION:
APPLICANT: Susan M. Freier
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUE
TITLE OF INVENTION: PLSO EXPRESSION
FILE REFERENCE: RTS-0376
CURRENT APPLICATION NUMBER: US/10/160,786
CURRENT FILING DATE: 2002-05-31
NUMBER OF SEQ ID NOS: 147
SEQ ID NO 19
LENGTH: 20
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Publication No. US20030225013A1
GENERAL INFORMATION:
APPLICANT: Susan M. Freier
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: P150 EXPRESSION
TITLE OF INVENTION: P150 EXPRESSION
FILE REPERENCE: RTS-0376
CURRENT APPLICATION NUMBER: US/10/160,786
CURRENT PILING DATE: 2002-05-31
NUMBER OF SEQ ID NOS: 147
SEQ ID NO 20
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                                                                                     Query Match 0.4%; Score 20; DB 1; Length 20; Best Local Similarity 100.0%; Pred. No. 2.6e+02; Matches 20; Conservative 0; Mismatches 0; Indels
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; OTHER INFORMATION: Antisense Oligonucleotide
US-10-160-786-19
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                                                                                                                                                                                                                                                                        631 GATATTCATGACTTTGAATA 650
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ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
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US-10-160-786-20/c
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US-10-160-786-19/c
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US-10-160-786-21/c
JS-10-160-786-18
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Sequence 26, Application US/10160786

Publication No. US20030225013A1

GENERAL INFORMATION:
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APPLICANT:
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Sequence 27, Application US/10160786

Publication No. US2033225013A1

GENERAL INFORMATION:
APPLICANT: Seneth W. Dobie
TITLE OF INVENTION: ANTIENSE MODULATION OF PHOSPHOINOSITIDE-1-KINASE, REGULATORY SUBITITLE OF INVENTION: P150 EXPRESSION
TITLE OF INVENTION: P150 EXPRESSION
TITLE OF INVENTION: R150376
CURRENT APPLICATION NUMBER: US/10/160,786
CURRENT FILING DATE: 2002-05-31
NUMBER OF SEQ ID NOS: 147
SEQ ID NOS: 147
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Publication No. US20030225013A1
GENERAL INFORMATION:
APPLICANT: Susan M. Freier
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: P150 EXPRESSION
TITLE OF INVENTION: P150 EXPRESSION
FILE REFERENCE: RTS-0376
CURRENT APPLICATION NUMBER: US/10/160,786
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0.4%; Score 20; DB 1; L.
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 20; Conservative 0; Mismatches 0;
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Best Local Similarity 100.
Matches 20; Conservative
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US-10-160-786-28/c
                                                                               US-10-160-786-26/c
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                                                   RESULT 151
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US-10-160-786-25/c
US-10-160-786-25/c
Sequence 25, Application US/10160786
Sequence 25, Application US/2030225013A1
GENERAL INFORMATION:
Publication No. US2030225013A1
GENERAL INFORMATION:
Papplicant:
APPLICANT: Susan M. Freier
TITLE OF INVENTION: P150 EXPRESSION
TURBERT FILING DATE: 2002-05-31
NUMBER OF SEQ ID NOS: 147
SEQ ID NO 25
LENGTH: 20
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US-10-160-786-24/c
Sequence 24, Application US/10160786
Publication No. US20030225013A1
GENERAL INFORMATION: Freier
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUE
TITLE OF INVENTION: P150 EXPRESSION
TITLE OF INVENTION: P150 EXPRESSION
TITLE OF UNCENTION NUMBER: US/10/160,786
CURRENT APPLICANTON NUMBER: US/10/160,786
CURRENT FILING DATE: 2002-05-31
NUMBER OF SEQ ID NOS: 147
SEQ ID NO 24
LENGTH: 20
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                                                                                                                                                                                       Length 20;
                                                                                                                                                                                                                                                        0; Indels
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0.4%; Score 20; DB 1; Le
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 20; Conservative 0; Mismatches 0;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; OTHER INFORMATION: Antisense Oligonucleotide US-10-160-786-24
                                                                                  ; OTHER INFORMATION: Antisense Oligonucleotide US-10-160-786-23
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                                                                                                                                                                                                                                                                                                                              875 GGCAGTATGTGCGAGACAAT 894
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TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
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Sequence 31, Application US/10160786
Publication No. US20030225013A1
Publication No. US20030225013A1
Publication No. US20030225013A1
REBERAL INFORMATION:
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUBITILIES OF INVENTION: P150 EXPRESSION
FILLS REFERENCE: R78-0376
CURRENT APPLICATION NUMBER: US/10/160,786
CURRENT PILING DATE: 2002-05-31
NUMBER OF SEQ ID NOS: 147
SEQ ID NO 31
LENGTH: 20
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Sequence 32, Application US/10160786
Publication No. US20030225013A1
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUBITITLE OF INVENTION: P150 EXPRESSION
FILE REFERENCE: RTS-0376
CURRENT APPLICATION NUMBER: US/10/160,786
CURRENT PILING DATE: 2002-05-31
NUMBER OF SEQ ID NOS: 147
SEQ ID NO 32
LENGTH: 20
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0.4%; Score 20; DB 1; Lv
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 20; Conservative 0; Mismatches 0;
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ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Antisense Oligonucleotide
US-10-160-786-32
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                            1215 AGATCCTTCAACTCCGCTTG 1234
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                                                                      20 AGATCCTTCAACTCCGCTTG 1
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US-10-160-786-33/c
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US-10-160-786-32/c
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US-10-160-786-30/C

i Sequence 30, Application US/10160786
i Publication No. US2030225013A1
i GENERAL INFORMATION:
APPLICANT: Susan M. Freier
APPLICANT: Susan M. Preier
TITLE OF INVENTION: P150 EXPRESSION
FILE REFERENCE: RTS-0376
CURRENT APPLICANTION NUMBER: US/10/160,786
CURRENT FILING DATE: 2002-05-31
NUMBER OF SEQ ID NOS: 147
: SEQ ID NO 30
1:ENGTH: 20
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Publication No. US20030225013A1
GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
TITLE OF INVENTION:
FILE REFERENCE: PLSO EN ENPERSION
FILE REFERENCE: RTS-0376
CURRENT APPLICATION NUMBER: US/10/160,786
CURRENT FILING DATE: 2002-05-31
NUMBER OF SEQ ID NOS: 147
SEQ ID NO 29
LENGTH: 20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match 0.4%; Score 20; DB 1; Length 20; Best Local Similarity 100.0%; Pred. No. 2.6e+02; Matches 20; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                         ; OTHER INFORMATION: Antisense Oligonucleotide US-10-160-786-28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              , OTHER INFORMATION: Antisense Oligonucleotide US-10-160-786-29
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CURRENT FILING DATE: 2002-05-31 UNDBER OF SEQ ID NOS: 147 SEQ ID NO 28 LENGTH: 20
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ORGANISM: Artificial Sequence
                                                                                         TYPE: DNA
ORGANISM: Artificial Seguence
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Matches 20; Conservative
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US-10-160-786-29/c
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Sequence 36, Application US/10160786

| Sequence 36, Application No. US2030225013A1
| Publication No. US2030225013A1
| GENERAL INFORMATION:
| APPLICANT: Susan M. Freier
| APPLICANT: Kenneth W. Dobie
| TITLE OF INVENTION: P150 EXPRESSION
| TITLE OF INVENTION: P
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Publication No. US20030225013A1

GENERAL INFORMATION:
APPLICANT: Suban M. Freier
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUB
TITLE OF INVENTION: 1950 EXPRESSION
TITLE OF INVENTION: 1950 EXPRESSION
CURRENT APPLICATION NUMBER: US/10/160,786
CURRENT PILING DATE: 2002-05-31
NUMBER OF SEQ ID NOS: 147
SEQ ID NO 37
LENGTH: 20
TENGTH: 20
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                          Query Match
0.4%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 20; Conservative 0; Mismatches 0; Indels
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100.0%; Pred. No. 2.6e+02;
iive 0; Mismatches 0;
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0.4%; Score 20; DB 1; Lv
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 20; Conservative 0; Mismatches 0;
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US-10-160-786-38/c
; Sequence 38, Application US/10160786
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Matches 20; Conserv
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US-10-160-786-36/c
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Publication No. US20030225013A1
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Keaner M. Freier
TITLE OF INVENTION:
TITLE O
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9.210-160-786-34/c

9.8210-160-786-34/c

9.8210-160-160-34, Application US/10160786

9. Publication No. US20030225013A1

GENERAL INFORMATION:

9. APPLICANT: Kenneth W. Dobie

7. TITLE OF INVENTION: PLSO EXPRESSION

FILE REFERENCE: RTS-0376

7. CURRENT APPLICATION UNBER: US/10/160,786

7. CURRENT APPLICATE: 2002-05-31

NUMBER OF SEQ ID NOS: 147

5. EROTH: 200
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUBTITLE OF INVENTION: P150 EXPRESSION
FILE REFERENCE: RTS-0376
CURRENT APPLICATION NUMBER: US/10/160,786
CURRENT FILING DATE: 2002-05-31
NUMBER OF SEQ ID NOS: 147
SEQ ID NO 33
LENGTH: 20
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; OTHER INFORMATION: Antisense Oligonucleotide
US-10-160-786-35
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ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                           TYPE: DNA
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match 0.4
Best Local Similarity 100.
Matches 20; Conservative
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US-10-160-786-35/c
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Sequence 41, Application US/10160786

Publication No. US20030225013A1

GENERAL INFORMATION:
APPLICANT: Susan M. Freier
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY GUBI
TITLE OF INVENTION: P150 EXPRESSION
FILE REFERENCE: RTS-0376
CURRENT APPLICATION NUMBER: US/10/160,786
CURRENT FILING DATE: 2002-05-31
NUMBER OF SEQ ID NOS: 147

SEQ ID NO 41

LENGTH: 20
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US-10-160-786-42/C
US-10-160-786-42, Application US/10160786
PUBLICARION NO. US20030225013A1
GENERAL INFORMATION:
APPLICANT: Kenneth W. Dobie
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: P150 EXPRESSION
TITLE OF INVENTION: P150 EXPRESSION
TITLE OF INVENTION: NUMBER: US/10/160,786
CURRENT APPLICATION NUMBER: US/10/160,786
CURRENT FILING DATE: 2002-05-31
NUMBER OF SEQ ID NOS: 147
ILENGTH: 20
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                                                                                                                        Query Match 0.4%; Score 20; DB 1; Length 20; Best Local Similarity 100.0%; Pred. No. 2.6e+02; Matches 20; Conservative 0; Mismatches 0; Indels
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0.4%; Score 20; DB 1; Le
Best.Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 20; Conservative 0; Mismatches 0;
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COTHER INFORMATION: Antisense Oligonucleotide
US-10-160-786-41
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                                                      ; OTHER INFORMATION: Antisense Oligonucleotide US-10-160-786-40
                                                                                                                                                                                                                        1658 AAAAAGCCGAAGGAGAGCCT 1677
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       ORGANISM: Artificial Sequence FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: DNA ORGANISM: Artificial Sequence
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US-10-160-786-41/c
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            RESULT 164
US-10-160-786-39/c
| US-10-160-786-39/c
| Separation | US/10160786
| Publication | US/2030225013A1
| CENERAL INFORMATION: | Preier
| APPLICANT: Shamen M. Dobie |
| TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUE |
| TITLE OF INVENTION: P150 EXPRESSION |
| FILE REPERENCE: RTS-0376 |
| CURRENT APPLICATION NUMBER: US/10/160,786 |
| CURRENT FILING DATE: 2002-05-31 |
| KUMBER OF SEQ ID NOS: 147 |
| SEQ ID NO 39 |
Publication No. US20030225013A1
GENERAL INFORMATION:
APPLICANT: Susan M. Fraier
APPLICANT: Susan M. Fraier
APPLICANT: Susan M. Dobie
TITLE OF INVENTION: P150 EXPRESSION
FILE REFERENCE: RTS-0376
CURRENT APPLICATION NUMBER: US/10/160,786
CURRENT FILING DATE: 2002-05-31
SEQ ID NO.38
LENGER NO.38
LENGTH: 20
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US-10-786-40/c
US-10-160-786-40/c
Sequence 40, Application US/10160786
Publication No. US20030225013A1
GENERAL INFORMATION:
APPLICANT: Susan M. Freier
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: P150 EXPRESSION
TITLE OF INVENTION: P150 EXPRESSION
TITLE OF INVENTION: P150 EXPRESSION
CURRENT PPLICATION NUMBER: US/10/160,786
CURRENT FILING DATE: 2002-05-31
NUMBER OF SEQ ID NOS: 147
SEQ ID NO 40
LENGTH: 20
TYPE: DNA
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0.4%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 20; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                        TYPE: DNA
ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
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WS-10-160-786-46/c
| Sequence 46, Application US/10160786
| Sequence 46, Application No. US20030225013A1
| Publication No. US20030225013A1
| GENERAL INFORMATION:
| APPLICANT: Susan M. Freier
| APPLICANT: Susan M. Preier
| APPLICANT: Susan M. Freier
| APPLICANT: Susan M. Preier
| APPLICANT: Susan M. Preier
| APPLICANT: Susan M. Preier
| TITLE OF INVENTION: P150 EXPRESSION
| TITLE OF INVENTION: P150 EXPRESSIO
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; Sequence 47, Application US/10160786
; Publication No. US20030225013A1
; General Information
; APPLICANT: Susan M. Freier
; APPLICANT: Kenneth W. Dobie
; TITLE OF INVENTION: PLSO EXPRESSION
; TITLE OF INVENTION: PLSO EXPRESSION
; FILE REFERENCE: RTS-0376
; CURRENT APPLICATION NUMBER: US/10/160,786
; CURRENT FILING DATE: 2002-05-31
; NUMBER OF SEQ ID NOS: 147
; SEQ ID NO 47
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Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 20; Conservative 0; Mismatches 0;
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0.4%; Score 20; DB 1; Li
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 20; Conservative 0; Mismatches 0;
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                                                                                                                                                                                                                                                               ; OTHER INFORMATION: Antisense Oligonucleotide US-10-160-786-45
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ORGANISM: Artificial Sequence
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                                                                                                                                      TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
NUMBER OF SEQ ID NOS: 147
SEQ ID NO 45
LENGTH: 20
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Publication No. US20030225013A1
GENERAL INFORMATION:
APPLICANT: Susan M. Freier
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: P150 EXPRESSION
TITLE OF INVENTION OF PHOSPHOINGER
TITLE OF INVENTION: P150 EXPRESSION
TITLE OF INVENTION
TITLE 
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US-10-160-786-45/c

US-10-160-786-45/c

Sequence 45, Application US/10160786

Publication No. US20030225013A1

GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUE
TITLE OF INVENTION: P150 EXPRESSION
FILE REPERENCE: RTS-0376
CURRENT PRELICATION NUMBER: US/10/160,786
CURRENT PILING DATE: 2002-05-31
                                                                 RESULT 168

US-10-160-786-43/c

US-10-160-786-43/c

Sequence 43, Application US/10160786

Publication No. US20030225013A1

GENERAL INFORMATION:
APPLICANT: Suan M. Freier
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUBTITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUBTITLE OF INVENTION: NUMBER: US/10/160,786

CURRENT APPLICATION NUMBER: US/10/160,786

CURRENT FILING DATE: 2002-05-31

NUMBER OF SEQ ID NOS: 147

SEQ ID NO 43

LENGTH: 20
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0.4%; Score 20; DB 1; L.
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 20; Conservative 0; Mismatches 0;
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US-10-160-786-43
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ORGANISM: Artificial Sequence
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US-10-160-786-44/c
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APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUBI
TITLE OF INVENTION: P150 EXPRESSION
TITLE OF INVENTION: P150 EXPRESSION
TITLE OF INVENTION: P150 EXPRESSION
CURRENT APPLICATION NUMBER: US/10/160,786
CURRENT FILING DATE: 2002-05-31
SEQ ID NOS: 147
SEQ ID NO 51
LENGTH: 20
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Publication No. US20030225013A1

GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Susan M. Freier
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUBITITIES OF INVENTION: P150 EXPRESSION
FILE REFERENCE: RTS-0376
CURRENT APPLICATION NUMBER: US/10/160,786
CURRENT APPLICATION NUMBER: US/10/160,786
CURRENT FILING DATE: 2002-05-31
NUMBER OF SEQ ID NOS: 147

SEQ ID NO 52

LENGTH: 20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ; OTHER INFORMATION: Antisense Oligonucleotide US-10-160-786-51
                                                                                                                                                                                                                                           ; OTHER INFORMATION: Antisense Oligonucleotide US-10-160-786-50
TITLE OF INVENTION: P150 EXPRESSION FILE REPERSENCE: RTS-0376 CURRENT APPLICATION NUMBER: US/10/160,786 CURRENT FILING DATE: 2002-05-31 NUMBER OF SEQ ID NOS: 147 SEQ ID NO 50 LENGTH: 20
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                                                                                                                                                                       TYPE: DNA ORGANISM: Artificial Sequence
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US-10-160-786-51/c
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US-10-160-786-49/c

US-10-160-786-49/c

Sequence 49, Application US/10160786

Publication No. US20030225013A1

REBIREDAL INFORMATION:
APPLICANT: Susan M. Freier
APPLICANT: Susan M. Preier
APPLICANT: Remeth M. Dobie
ITILE OF INVENTION: P150 EXPRESSION
FILE REFERENCE: RTS-0376
CURRENT APPLICATION NUMBER: US/10/160,786
CURRENT APPLICATION DATE: 2002-05-31
NUMBER OF SEQ ID NOS: 147

SEQ ID NO 49
LENGTH: 20
                                                                                                                                                           Sequence 48, Application US/10160786
Publication No. US20030225013A1
GENERAL INFORMATION:
APPLICANT: Susan Freier
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUBTITLE OF INVENTION: P150 EXPRESSION
FILE REFERENCE: RTS-0376
CURRENT APPLICATION NUMBER: US/10/160,786
CURRENT PILING DATE: 2002-05-31
NUMBER OF SEQ ID NOS: 147
SEQ ID NO 48
LENGTH: 20
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APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUB
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100.0%; Pred. No. 2.68+02;
tive 0; Mismatches 0; Indels
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100.0%; Pred. No. 2.6e+02;
ive 0; Mismatches 0; Indels
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  2391 TGCTGGCAAAGCTCCTCAA 2410
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US-10-160-786-50/c
; Sequence 50, Application US/10160786
; Publication No. US20030225013A1
; GENERAL INFORMATION:
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Best Local Similarity 100.0
Matches 20; Conservative
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Best Local Similarity 100.
Matches 20; Conservative
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US-10-160-786-48/c
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APPLICANT: Susan M. Freier
APPLICANT: Susan M. Preier
APPLICANT: Susan M. Dobie
TITLE OF INVENTION: B150 EXPRESSION
FITLE OF INVENTION: B150 EXPRESSION
FILE REFERENCE: RTS-0376
CURRENT APPLICATION NUMBER: US/10/160,786
CURRENT FILING DATE: 2002-05-31
NUMBER OF SEQ ID NOS: 147
SEQ ID NO 55
LENGTH: 20
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Sequence 56, Application US/10160786

Bublication No. US20030225013A1

GENERAL INFORMATION:
APPLICANT: Susan M. Freier
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUBITITLE OF INVENTION: ANTISENSE NO P150 EXPRESSION
TITLE OF INVENTION: P150 EXPRESSION
TITLE OF INVENTION: P150 EXPRESSION
CURRENT FILING DATE: 2002-05-31
NUMBER OF SEQ ID NOS: 147

LENGTH: 20
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Sequence 57, Application US/10160786

Sequence 57, Application US/10160786

Sequence 57, Application No. US20030225013A1

GENERAL INFORMATION:
APPLICANT: State M. Dobie
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUBTITLE OF INVENTION: PLSO EXPRESSION
FILE REPERENCE: RTS-0376
CURRENT APPLICATION NUMBER: US/10/160,786
CURRENT FILING DATE: 2002-05-31

NUMBER OF SEQ ID NOS: 147

SEQ ID NO 57

LENGTH: 20
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100.0%; Pred. No. 2.6e+02;
tive 0; Mismatches 0; Indels
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0.4%; Score 20; DB 1; L.
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 20; Conservative 0; Mismatches 0;
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US-10-160-786-56
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US-10-160-786-55
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Best Local Similarity
Matches 20; Conserv
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US-10-160-786-57/c
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18-10-16.786-64/c
18-10-16.786
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US-10-160-786-53/C

US-10-160-786-53/C

Sequence 53, Application US/10160786

Publication No. US20030225013A1

GENERAL INFORMATION:
APPLICANT: Suban M. Freier
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUB
TITLE OF INVENTION: P150 EXPRESSION
FILE REFERENCE: RTG-0376
CURRENT APPLICATION NUMBER: US/10/160,786
CURRENT PILING DATE: 2002-05-31
NUMBER OF SEQ ID NOS: 147
SEQ ID NO 5:3
LENGTH: 20
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0.4%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 2.60+02;
Matches 20; Conservative 0; Mismatches 0; Indels
              Query Match 0.4%; Score 20; DB 1; Length 20; Best Local Similarity 100.0%; Pred. No. 2.6e+02; Matches 20; Conservative 0; Mismatches 0; Indels
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; OTHER INFORMATION: Antisense Oligonucleotide
US-10-160-786-54
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ; OTHER INFORMATION: Antisense Oligonucleotide
US-10-160-786-53
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                                                                                                                                                        2731 GAACCAGTAAGTCGTTCTAT 2750
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ORGANISM: Artificial Sequence
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US-10-160-786-55/c
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18-10-160-786-60/c
| Sequence 60, Application US/10160786
| Sequence 60, Application US/10160786
| Publication No. US20030225013A1
| GENERAL INFORMATION:
| APPLICANT: Susan M. Freier
| APPLICANT: Kenneth W. Dobie
| TITLE OF INVENTION: ANTIERNSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY GUBI
| TITLE OF INVENTION: P150 EXPRESSION
| TITLE OF INVENTION: P150 EXPRESSION
| CURRENT APPLICATION NUMBER: US/10/160,786
| CURRENT PILING DATE: 2002-05-31
| SEQ ID NOS: 147
| SEQ ID NO 60
| LENGTH: 20
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Sequence 61, Application US/10160786
Publication No. US20030225013A1
GENERAL INFORMATION:
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUBITITLE OF INVENTION: P150 EXPRESSION
FILE REFERENCE: RTS-0376
CURRENT APPLICATION NUMBER: US/10/160,786
CURRENT PILING DATE: 2002-05-31
NUMBER OF SEQ ID NOS: 147
SEQ ID NO 61
LENGTH: 20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-10-160-786-60
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US-10-160-786-61
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US-10-160-786-58/C

Sequence 58, Application US/10160786

Publication No. US20300225013A1

GENERAL INFORMATION:
APPLICANT: Susan M. Freier
APPLICANT: Susan M. Freier
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: P150 EXPRESSION
FILE REFERENCE: RTS-0376
CURRENT APPLICATION NUMBER: US/10/160,786
CURRENT PILLING DATE: 2002-05-31
NUMBER OF SEQ ID NOS: 147

SEQ ID NO 58
LENGTH: 20
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US-10-160-786-59/C

Sequence 59, Application US/10160786

Publication No. US20030225013A1

REDEBAL INFORMATION:
APPLICANT: Susan M. Freier
APPLICANT: Susan M. Freier
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUB
TITLE OF INVENTION: P150 EXPRESSION
FILE REFERENCE: RTS-0376
CURRENT FILING DATE: US/10/160,786
CURRENT FILING DATE: 2002-05-31
NUMBER OF SEQ ID NOS: 147

LENGTH: 20

LENGTH: 20
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0.4%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 20; Conservative 0; Mismatches 0; Indels
                                                                                                                                        Length 20;
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                                                                                                                                 Query Match
0.4%; Score 20; DB 1; L. Best Local Similarity 100.0%; Pred. No. 2.6e+02; Matches 20; Conservative 0; Mismatches 0;
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100.0%; Pred. No. 2.6e+02;
iive 0; Mismatches 0;
3057 AGTTGATCTTGTTAAAACCA 3076
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Best Local Similarity 100.
Matches 20; Conservative
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gibbs-10-667-022-4.rnpb

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APPLICANT: Susan M. Freier
APPLICANT: Susan M. Freier
APPLICANT: Scaneth W. Dobie
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUBL.
TITLE OF INVENTION: PLSO BERRESSION
FILE REPRENCES: RTS-0376
CURRENT APPLICATION UNDER: US/10/160,786
CURRENT FILING DATE: 2002-05-31
NUMBER OF SEQ ID NOS: 147
SEQ ID NO 65
LENGTH: 20
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Sequence 66, Application US/10160786

Publication No. US20030225013A1

GENERAL INFORMATION:
APPLICANT: Susan M. Freier
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: P150 EXPRESSION
TITLE OF INVENTION NUMBER: US/10/160,786
CURRENT FILING DATE: 2002-05-31
SEQ ID NO 66
IENGTH: 20
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Publication No. US20030225013A1
GENERAL INFORMATION:
APPLICANT: SUSAN M. Freier
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUBI
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100.0%; Pred. No. 2.6e+02;
tive 0; Mismatches 0;
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                                                                                                                                                        ; Sequence 65, Application US/10160786; Publication No. US20030225013A1; GENERAL INFORMATION:
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                 20 GCGTCCTAAAGGGCTGTTAG 1
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ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
FEATURE:
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Best Local Similarity 100.(
Matches 20; Conservative
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Sequence 63, Application US/10160786
Publication No. US2030225013A1
GENERAL INFORMATION:
APPLICANT: Susan M. Freier
APPLICANT: Susan M. Freier
ITLE OF INVENTION:
FILE OF INVENTION:
FILE REFERENCE: RTS-0376
CURRENT APPLICATION UNDER: US/10/160,786
CURRENT APPLICATION UNDER: US/10/160,786
UNUMBER OF SEQ ID NOS: 147
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Publication No. US20030225013A1
Publication No. US20030225013A1
APPLICANT: Susan M. Freier
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUBTILE REPERENCE: RTS-0376
CURRENT APPLICATION NUMBER: US/10/160,786
CURRENT FILING DATE: 2002-05-31
NUMBER OF SEQ ID NOS: 147
EIGNGTH: 20
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0.4%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 20; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                                      Query Match 0.4%; Score 20; DB 1; Lu Best Local Similarity 100.0%; Pred. No. 2.6e+02; Matches 20; Conservative 0; Mismatches 0;
                                                                                      FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-10-160-786-62
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US-10-160-786-63
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US-10-160-786-64
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                                              TYPE: DNA
ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
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US-10-160-786-64/c
SEQ ID NO 62
LENGTH: 20
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LENGTH: 20
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gibbs-10-667-022-4.rnpb

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Sequence 70, Application US/10160786
Publication No. US20030255013A1
GENERAL INFORMATION:
APPLICANT: SUBAR M. Freier
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUBITILIES OF INVENTION: P150 EXPRESSION
FILE REFERENCE: RTS-0376
CURRENT APPLICATION NUMBER: US/10/160,786
CURRENT PILING DATE: 2002-05-31
NUMBER OF SEQ ID NOS: 147
SEQ ID NO 70
LENGTH: 20
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Publication No. US20030225013A1

GENERAL INFORMATION:

APPLICANT: Sueme M. Freier

APPLICANT: Kenneth W. Dobie

TITLE OF INVENTION: P150 EXPRESSION

TITLE OF INVENTION: P150 EXPRESSION

FILE REFERENCE: R15-0376

CURRENT APPLICATION NUMBER: US/10/160,786

CURRENT FILING DATE: 2002-05-31

NUMBER OF SEQ ID NOS: 147

LENGTH: 20
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0.4%; Score 20; DB 1; L.
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 20; Conservative 0; Mismatches 0;
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0.4%; Score 20; DB 1; L.
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 20; Conservative 0; Mismatchès 0;
        Pred. No. 2.6e+02;
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      1 Similarity 100.0%; Pred. No. 2.6
20; Conservative 0; Mismatches
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                                                                                     20 GAGGCTTCTAAGCTGCCCAA 1
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    Best Local Similarity
Matches 20; Conserv
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Sequence 69, Application US/10160786

Publication No. US20030225013A1

GENERAL INFORMATION:

APPLICANT: Susan M. Freier

APPLICANT: Kenneth W. Dobie

TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUB-

TITLE OF INVENTION: P150 EXPRESSION

FILE REFERENCE: RTS-0376

CURRENT APPLICATION NUMBER: US/10/160,786

CURRENT FILING DATE: 2002-05-31

NUMBER OF SEQ ID NOS: 147

SEQ ID NO 69

LENGTH: 20
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100.0%; Pred. No. 2.6e+02;
tive 0; Mismatches 0; Indels
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US-10-160-786-69
FILE REFERENCE: RTS-0376
CURRENT APPLICATION NUMBER: US/10/160,786
CURRENT FILING DATE: 2002-05-31
NUMBER OF SEQ ID NOS: 147
SEQ ID NO 67
LENGTH: 20
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                                                                                                                      TYPE: DNA ORGANISM: Artificial Seguence
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ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
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Best Local Similarity
Matches 20; Conserv
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US-10-160-786-68/c
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US-10-160-786-75/c
US-10-160-786-75, Application US/10160786
Sequence 75, Application US/10160786
Sequence 75, Application No. US20030225013A1
GENERAL INFORMATION:
TITLE OF INVENTION: P150 EXPRESSION
TITLE OF SEQ ID NOS: 147
SEQ ID NO 75
INVENT FILING DATE: 2002-05-31
SEQ ID NO 75
INVENT: 20
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US-10-160-786-76/c

Sequence 76, Application US/10160786

Publication No. US20030225013A1

GENERAL INFORMATION:

APPLICANT: Susan M. Freier

APPLICANT: Kenneth W. Dobie

TITLE OF INVENTION: P150 EXPRESSION

FILE REFERENCE: RTS-0376

CURRENT APPLICATION NUMBER: US/10/160,786

CURRENT PILING DATE: 2002-05-31

NUMBER OF SEQ ID NOS: 147

SEQ ID NO 76

LENGTH: 20

LENGTH: 20
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0.4%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 20; Conservative 0; Mismatches 0; Indels
                                                                          Length 20;
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2.6e+02;
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; OTHER INFORMATION: Antisense Oligonucleotide US-10-160-786-74
                                                                          Query Match 0.4%; Score 20; DB Best Local Similarity 100.0%; Pred. No. 2.6 Matches 20; Conservative 0; Mismatches
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ORGANISM: Artificial Sequence
FEATURE:
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US-10-160-786-74/C

US-10-160-786-74/C

US-10-160-786-74/C

US-10-160-786-74/C

Publication No. US20030225013A1

GENERAL INFORMATION:

APPLICANT: Suean M. Freier

APPLICANT: Kenneth W. Dobie

TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUE

TITLE OF INVENTION: P150 EXPRESSION

TITLE REFERENCE: RTS-0376

CURRENT APPLICATION NUMBER: US/10/160,786

CURRENT FILING DATE: 2002-05-31

NUMBER OF SEQ ID NOS: 147

SEQ ID NO 74

LENGTH: 20
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US-10-160-786-73/C

US-10-160-786-73/C

SQUENCE 73, Application US/10160786

Publication No. US20030225013A1

GENERAL INFORMATION:

APPLICANT: Sucan M. Preier

APPLICANT: Kenneth W. Dobie

TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUE

TITLE OF INVENTION: P150 EXPRESSION

TITLE OF INVENTION: NUMBER: US/10/160,786

CURRENT APPLICATION NUMBER: US/10/160,786

CURRENT FILING DATE: 2002-05-31

NUMBER OF SEQ ID NOS: 147

SEQ ID NO 73

LENGTH: 20
              APPLICANT: Susan M. Freier
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUB-
TITLE OF INVENTION: 1910 EXPRESSION
FILE REPERINCE: RTS-0376
CURRENT APPLICATION NUMBER: US/10/160,786
CURRENT APPLICATION NUMBER: US/10/160,786
KUNRENT FILING DATE: 2002-05-31
NUMBER OF SEQ ID NOS: 147
SEQ ID NO 72
LENGTH: 20
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ORGANISM: Artificial Sequence
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Sequence 80, Application US/10160786
Publication No. US20030225013A1
GENERAL INFORMATION:
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: P150 EXPRESSION
FILE OF INVENTION: P150 EXPRESSION
FILE REFERENCE: R75-0376
CURRENT APPLICATION NUMBER: US/10/160,786
CURRENT PILING DATE: 2002-05-31
NUMBER OF SEQ ID NOS: 147
LENGTH: 20
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Foguence 81, Application US/10160786

Fublication No. US20030225013A1

GENERAL INFORMATION: Freier
APPLICANT: Stand M. Dobie

TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUBITITIES OF INVENTION: AP50 EXPRESSION
FILE REFERENCE: RTS-0376
CURRENT APPLICATION NUMBER: US/10/160,786
CURRENT PILING DATE: 2002-05-31

NUMBER OF SEQ ID NOS: 147

SEQ ID NO 81

LENGTH: 20
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Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 20; Conservative 0; Mismatches 0;
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0.4%; Score 20; DB 1; Le
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 20; Conservative 0; Mismatches 0;
                                                                                           ; FEATURE:
; OTHER INFORMATION: AntiGense Oligonucleotide
US-10-160-786-79
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US-10-160-786-81
                                                                                                                                                                                                                                                                                      4309 AGTCCTGCAGATGGAAATCC 4328
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                                                 TYPE: DNA ORGANISM: Artificial Sequence
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US-10-160-786-80/c
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US-10-160-786-78/C

i Sequence 78, Application US/10160786

j Publication W. US20030225013A1

j Publication W. US20030225013A1

j RENERAL INFORMATION:
 APPLICANT: Susan M. Freier

j APPLICANT: Susan M. Preier

j TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUE

j TITLE OF INVENTION: P150 EXPRESSION

j FILE REFERENCE: RTS-0376

j CURRENT APPLICATION NUMBER: US/10/160,786

j CURRENT FILING DATE: 202-05-31

j NUMBER OF SEQ ID NOS: 147

j SEQ ID NO 78

l.ENGTH: 20
US-10-160-786-77/c

Sequence 77, Application US/10160786

Publication No. US20030225013A1

GENERAL INFORMATION:

APPLICANT: Susan M. Ereier

APPLICANT: Kenneth W. Dobie

TITLE OF INVENTION: P150 EXPRESSION

TITLE OF INVENTION: P150 EXPRESSION

TITLE OF INVENTION: P150 EXPRESSION

CURRENT APPLICATION NUMBER: US/10/160,786

CURRENT APPLICATION NUMBER: 2002-05-31

NUMBER OF SEQ ID NOS: 147

SEQ ID NO 77
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Sequence 79, Application US/10160786

Sequence 79, Application US/10160786

Sequence 79, Application US/10160786

Sequence 79, Application US/10160786

GENERAL INCRMATION: Preier

APPLICANT: Sugan M. Freier

APPLICANT: Kenneth W. Dobie

TITLE OF INVENTION: PLSO EXPRESSION

TITLE OF INVENTION: PLSO EXPRESSION

FILE REFERENCE: RTS-0376

CURRENT APPLICATION NUMBER: US/10/160,786

CURRENT PILING DATE: 2002-05-31

NUMBER OF SEQ ID NOS: 147
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100.0%; Pred. No. 2.6e+02;
tive 0; Mismatches 0; Indels
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0.4%; Score 20; DB 1; Lv
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 20; Conservative 0; Mismatches 0;
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; OTHER INFORMATION: Antisense Oligonucleotide
US-10-160-786-77
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Best Local Similarity 100.0
Matches 20; Conservative
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100.0%; Pred. No. 2.6e+02;
:ive 0; Mismatches 0;
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0.4%; Score 20; DB 1; L
Best Local Similarity 100.0%; Pred. No. 2.66+02;
Matches 20; Conservative 0; Mismatches 0;
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US-10-160-786-86
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                                                                                                                                                                                                                             ; OTHER INFORMATION: Antisense Oligonucleotide
US-10-160-786-84
CURRENT APPLICATION NUMBER: US/10/160,786
CURRENT FILING DATE: 2002-05-31
NUMBER OF SEQ ID NOS: 147
SEQ ID NO 84
LENGTH: 20
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ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
FEATURE:
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Best Local Similarity
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US-10-160-786-85/c
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Publication No. US20030225013A1

GENERAL INFORMATION:

APPLICANT: Suban M. Preier

APPLICANT: Suban M. Preier

TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUB

TITLE OF INVENTION: PLSO EXPRESSION

TITLE OF INVENTION: NUMBER: US/10/160,786

CURRENT APPLICATION NUMBER: US/10/160,786

CURRENT PILING DATE: 2002-05-31

NUMBER OF SEQ ID NOS: 147

SEQ ID NO 83

LENGTH: 20
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APPLICANT: Susan M. Freier
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUB-
TITLE OF INVENTION: P150 EXPRESSION
FILE REPERENCE: RTS-0376
                                                                                                                                                                GENERAL INFORMATION:

GENERAL INFORMATION:

GENERAL INFORMATION:

APPLICANT: Susan M. Freier

APPLICANT: Susan M. Preier

TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUBTITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUBTITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUBTITLE REPREBUCE: RIS-0376

CURRENT APPLICATION NUMBER: US/10/160,786

CURRENT FILING DATE: 2002-05-31

NUMBER OF SEQ ID NOS: 147

SEQ ID NO 8:

LENGTH: 20
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0.4%; Score 20; DB 1; Lv
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 20; Conservative 0; Mismatches 0;
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; OTHER INFORMATION: Antisense Oligonucleotide
US-10-160-786-82
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                            20 ATGTTGTTGCAGGAAGTACT 1
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ORGANISM: Artificial Sequence
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US-10-160-786-84/c
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US-10-160-786-83/c
                                                                                                                          RESULT 207
US-10-160-786-82/c
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Page 53

TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUBILITIES OF INVENTION: PISO EXPRESSION
FILE REPERBNCE: RTS-0376
CURRENT PAPLICATION NUMBER: US/10/160,786
CURRENT FILING DATE: 2002-05-31
NUMBER OF SEQ ID NOS: 147
SEQ ID NO 89
LENGTH: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 90, Application US/10160786
Publication No. US20030225013A1
GENERAL INFORMATION:
APPLICANT: Susan M. Freier
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: P150 EXPRESSION
FILE REFERENCE: RTS-0376
CURRENT APPLICATION NUMBER: US/10/160,786
CURRENT FILING DATE: 2002-05-31
NUMBER OF SEQ ID NOS: 147
SEQ ID NO 90
LENGTH: 20
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Publication No. US20030225013A1

GENERAL INFORMATION:
APPLICANT: Susan M. Freier

APPLICANT: Susan M. Freier

TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUBI

TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUBI

TITLE OF INVENTION: P150 EXPRESSION

FILE REFERENCE: RTS-0376

CURRENT APPLICATION NUMBER: US/10/160,786

CURRENT FILING DATE: 2002-05-31

NUMBER OF SEQ ID NOS: 147

LENGTH: 20
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... Pred. No. 2.6e+02;
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2.6e+02;
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0.4%; Score 20; DB
Best Local Similarity 100.0%; Pred. No. 2.6
Matches 20; Conservative 0; Mismatches
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Conservative 0; Mismatches
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                                                                                                                                                                                                                                                                                                                TYPE: DNA
CRGANISM: H. sapiens
FEATURE:
US-10-160-786-89
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Best Local Similarity
Matches 20; Conserv
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US-10-160-786-91
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                                                                                                                                                                                                                                                                                                        Sequence 87. Application US/10160786
Publication No. US20030225013A1
GENERAL INFORMATION:
APPLICANT: Susan M. Freier
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUB-
TITLE OF INVENTION: P150 EXPRESSION
FILE REFERENCE: RTS-0376
CURRENT APPLICATION NUMBER: US/10/160,786
CURRENT PILING DATE: 2002-05-31
NUMBER OF SEQ ID NOS: 147
SEQ ID NO 87
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; Sequence 88, Application US/10160786
; Publication VS-10-150-786
; Publication No. US20030225013A1
; Publication No. US20030225013A1
; APPLICANT: Suean M. Freier
; APPLICANT: Kenneth W. Dobie
; TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUE
; TITLE OF INVENTION: PL50 EXPRESSION
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US-10-160-786-87
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US-10-160-786-88
                                                                                                                                0; Mismatches
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CURRENT APPLICATION NUMBER: US/10/160,786
CURRENT FILING DATE: 2002-05-31
NUMBER OF SEQ ID NOS: 147
SEQ ID NO 88
LENGTH: 20
                                                                                                                                                                        4776 CTGACTAAATGACACCCAAA 4795
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                                                                                                                                                                                             20 CTGACTAAATGACACCCAAA 1
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ORGANISM: Artificial Sequence
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Best Local Similarity
Matches 20; Conservat
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Best Local Similarity
Matches 20; Conserv
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US-10-160-786-87/c
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TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUBITITLE OF INVENTION: P150 EXPRESSION
FILE REPERENCE: RTS-0376
CURRENT APPLICATION NUMBER: US/10/160,786
CURRENT APPLICATION NUMBER: 2002-05-31
NUMBER OF SEQ ID NOS: 147
SEQ ID NO 94
LENGTH: 20
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Publication No. US20030225013A1

GENERAL INFORMATION:
APPLICANT: Susan M. Freier
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUBIRILE REFERENCE: RTS-0376
TITLE REFERENCE: RTS-0376
CURRENT APPLICATION NUMBER: US/10/160,786
CURRENT FILING DATE: 2002-05-31
NUMBER OF SEQ ID NOS: 147

LENGTH: 20
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0.4%; Score 20; DB 1; L4
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 20; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                 Query Match 0.4%; Score 20; DB Best Local Similarity 100.0%; Pred. No. 2.6 Matches 20; Conservative 0; Mismatches
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Best Local Similarity
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ORGANISM: H. sapiens
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ORGANISM: H.
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US-10-160-786-96
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                                                                                                                                          Sequence 93, Application US/10160786
Sequence 93, Application US/10160786
Sequence 93, Application US/2030225013A1
GENERAL INFORMATION:
GENERAL INFORMATION:
PEreier
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: P150 EXPRESSION
FILE REFERENCE: RTS-0376
CURRENT APPLICATION NUMBER: US/10/160,786
CURRENT FILING DATE: 2002-05-31
NUMBER OF SEQ ID NOS: 147
SEQ ID NO 93
LENGTH: 20
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0.4%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 20; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0.4%; Score 20; DB 1; Length 20; 100.0%; Pred. No. 2.6e+02; trive 0; Mismatches 0; Indels
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                        ilarity 100.0%; Pred. No. 2.6e+02; Conservative 0; Mismatches 0;
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Best Local Similarity 100.
Matches 20; Conservative
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FEATURE:
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                            Best Local Similarity
Matches 20; Conserv
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US-10-160-786-94
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US-10-160-786-93
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Sequence 100, Application US/10160786

Publication No. US20030225013A1

GRNERAL INFORMATION:
GRNERAL INFORMATION:
APPLICANT: Suean M. Freier
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY GUBT
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY GUBT
FILE REFERENCE: RYS-0376
CURRENT APPLICATION NUMBER: US/10/160,786
CURRENT FILING DATE: 2002-05-31
NUMBER OF SEQ ID NOS: 147
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Publication No. US20030225013A1
GENERAL INFORMATION:
APPLICANT: Susan M. Freier
APPLICANT: Renneth W. Dobie
TITLE OF INVENTION: PLSO EXPRESSION
FILE REPERENCE: RTS-0376
CURRENT APPLICATION NUMBER: US/10/160,786
CURRENT PILING DATE: 2002-05-31
NUMBER OF SEQ ID NOS: 147
SEQ ID NO 101
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0.4%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 20; Conservative 0; Mismatches 0; Indels
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TITLE OF INVENTION: P150 EXPRESSION FILE REPERENCE: PTS-0376 CURRENT APPLICATION NUMBER: US/10/160,786 CURRENT FILING DATE: 2002-05-31 NUMBER OF SEQ ID NOS: 147 SEQ ID NO 59 LENGTH: 20
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ORGANISM: H. Bapiens
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US-10-160-786-101
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                                                                                                                                                            Sequence 97, Application US/10160786

Sequence 97, Application US/10160786

Publication No. US20030225013A1

GENERAL INFORMATION:
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUB-
TITLE OF INVENTION: P150 EXPRESSION
FILE REPERENCE: RTS-0376

CURRENT APPLICATION NUMBER: US/10/160,786

CURRENT FILING DATE: 2002-05-31

NUMBER OF SEQ ID NOS: 147

SEQ ID NO 97

LENGTH: 20
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US-10-160-786-98
US-10-160-786-98
SUBJICATION NO. US20030225013A1
GENERAL INFORMATION:
APPLICANT: Susan M. Freier
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUBTILE REFERENCE: RTS-0376
CURRENT APPLICATION NUMBER: US/10/160,786
CURRENT APPLICATION NUMBER: US/10/160,786
CURRENT FILING DATE: 2002-05-31
NUMBER OF SEQ ID NOS: 147
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Publication No. US20030225013A1
GENERAL INFORMATION:
APPLICANT: Susan W. Preier
APPLICANT: Kenneth W. Dobie
ITILE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUB
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100.0%; Pred. No. 2.6e+02;
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  0; Indels
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0; Mismatches
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                                                                     1 GGAGGAACTGAAAATCAGGC 20
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ORGANISM: H. sapiens
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ORGANISM: H. sapiens
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US-10-160-786-99
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GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
TUTLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUBL.
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUBL.
TITLE OF INVENTION: P150 EXPRESSION
TITLE OF INVENTION: 1050
CURRENT APPLICATION NUMBER: US/10/160,786
CURRENT FILING DAIE: 2002-05-31
NUMBER OF SEQ ID NOS: 147
SEQ ID NO 105
LENGTH: 20
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Publication No. US20030225013A1

GENERAL INFORMATION:

APPLICANT: Susan M. Freier

APPLICANT: Schneth W. Dobie

TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUBITITIE OF INVENTION: P150 EXPRESSION

TITLE OF INVENTION: P150 EXPRESSION

FILE REFERENCE: RTS-0376

CURRENT APPLICATION NUMBER: US/10/160,786

CURRENT FILING DATE: 2002-05-31

NUMBER OF SEQ ID NOS: 147

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0.4%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 20; Conservative 0; Mismatches 0; Indels
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0.4%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 20; Conservative 0; Mismatches 0; Indels
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2.6e+02;
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                     CURRENT APPLICATION NUMBER: US/10/160,786
CURRENT FILING DATE: 2002-05-31
NUMBER OF SEQ ID NOS: 147
SEQ ID NO 104
LENGTH: 20
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FILE REFERENCE: RTS-0376
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ORGANISM: H. sapiens
                                                                                                                                                                                                       TYPE: DNA
ORGANISM: H. sapiens
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Publication No. US20030225013A1

GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Susan M. Freier
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: ANTIGENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUE
TITLE OF INVENTION: P150 EXPRESSION
FILE REFERENCE: RTS-0376
CURRENT APPLICATION NUMBER: US/10/160,786
CURRENT APPLICATION NUMBER: US/202-05-31
NUMBER OF SEQ ID NOS: 147

SEQ ID NO 103
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US-10-160-786-104
Sequence 104, Application US/10160786
Publication No. US20030225013A1
GENERAL INFORMATION:
APPLICANT: Susan M. Freier
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUBTILLE OF INVENTION: P150 EXPRESSION
                                                                                                                                                                                                                                       US-10-160-786-102
Sequence 102, Application US/10160786
Publication No. US20030225013A1
GENERAL INFORMATION:
APPLICANT: Susan M. Freier
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: P150 EXPRESSION
TITLE OF INVENTION P150 EXPRESSION
STATE OF INVENTION P150 EXPRESSION
TITLE OF INVENTION P150
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0.4%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 20; Conservative 0; Mismatches 0; Indels
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100.0%; Pred. No. 2.6e+02;
ive 0; Mismatches 0; Indels
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                                          TTCGTCATGGGGACATCAAG 1017
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Best Local Similarity 100.
Matches 20; Conservative
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ORGANISM: H. sapiens
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US-10-160-786-103
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US-10-160-786-103
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Sequence 110, Application US/10160786
Publication No. US20030225013A1
GENERAL INFORMATION:
APPLICANT: Susan M. Freier
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUBI
TITLE OF INVENTION: P150 EXPRESSION
FILE REFERENCE: RTS-0376
CURRENT APPLICATION NUMBER: US/10/160,786
CURRENT FILING DATE: 2002-05-31
NUMBER OF SEQ ID NOS: 147
SEQ ID NO 110
LENGTH: 20
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Publication No. US20030225013A1
GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
Freier
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUBITITLE OF INVENTION: P150 EXPRESSION
FILE REFERENCE: RTS-0376
CURRENT APPLICATION NUMBER: US/10/160,786
CURRENT FILING DATE: 2002-05-31
NUMBER OF SEQ ID NOS: 147
SEQ ID NO 111
LENGTH: 20
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0.4%; Score 20; DB 1; Le
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 20; Conservative 0; Mismatches 0;
  CURRENT APPLICATION NUMBER: US/10/160,786
CURRENT FILING DATE: 2002-05-31
NUMBER OF SEQ ID NOS: 147
SEQ ID NO 109
LENGTH: 20
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Best Local Similarity 100.0
Matches 20; Conservative
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ORGANISM: H. sapiens
FEATURE:
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ORGANISM: H. sapiens
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ORGANISM: H. sapiens
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                                                                                                                                                            Sequence 107, Application US/10160786

Publication No. US20030225013A1

GENERAL INFORMATION:
APPLICANT: Susan M. Freier
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUBTILE REFERENCE: RTS-0376
CURRENT APPLICATION NUMBER: US/10/160,786
CURRENT APPLICATION NUMBER: 2002-05-31
NUMBER OF SEQ ID NOS: 147
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Publication No. US20030225013A1
GENERAL INFORMATION:
APPLICANT: Susan M. Freier
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUB-
TITLE OF INVENTION: PL50 EXPRESSION
FILE REFERENCE: RTS-0376
CURRENT APPLICATION NUMBER: US/10/160,786
CURRENT PILING DATE: 2002-05-31
NUMBER OF SEQ ID NOS: 147
SEQ ID NO 108
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Publication No. US20030225013A1
Publication No. US20030225013A1
APPLICANT: Susan M. Freier
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUBTILE OF INVENTION: P150 EXPRESSION
FILE REFERENCE: RTS-0376
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100.0%; Pred. No. 2.6e+02;
tive 0; Mismatches 0; Indels
1414 GATCACAGTATCAGAGAATT 1433
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                           GATCACAGTATCAGAGAATT 20
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Matches 20, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: DNA
ORGANISM: H. sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: DNA
ORGANISM: H. sapiens
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US-10-160-786-108
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-10-160-786-107
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US-10-160-786-109
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Sequence 115, Application US/10160786
Publication No. US20030225013A1
GENERAL INFORMATION:
APPLICANT: Susan M. Freier
APPLICANT: Kenneth W. Dobie
1TILE OF INVENTION: B150 EXPRESSION
TITLE OF INVENTION: D150 EXPRESSION
TITLE OF INVENTION: US/10/160,786
CURRENT APPLICATION NUMBER: US/10/160,786
CURRENT FILING DATE: 2002-05-31
NUMBER OF SEQ ID NOS: 147
SEQ ID NO 115
LENGTH: 20
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Publication No. US20030225013A1
GENERAL INFORMATION:
APPLICANT: Susan M. Freier
APPLICANT: Susan M. Freier
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUBSTITE OF INVENTION: P150 EXPRESSION
FILE REFERENCE: RTS-0376
CURRENT APPLICATION NUMBER: US/10/160,786
CURRENT FILING DATE: 2002-05-31
NUMBER OF SEQ ID NOS: 147
SEQ ID NO 116
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                                                                                                                                                                                             Length 20;
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CURRENT FILING DATE: 2002-05-31 WINDER OF SEQ ID NOS: 147 SEQ ID NO 114 LENGTH: 20
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ORGANISM: H. sapiens
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                                                                                       TYPE: DNA
ORGANISM: H. sapiens
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US-10-160-786-116
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                                                                                                                                      FEATURE
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Publication No. US20030225013A1

GENERAL INFORMATION:

APPLICANT: Susan M. Freier

APPLICANT: Susan M. Preier

TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUBTITLE OF INVENTION: PL50 EXPRESSION
FILE REFERENCE: RTS-0376

CURRENT APPLICATION NUMBER: US/10/160,786

CURRENT FILING DATE: 2002-05-31

NUMBER OF SEQ ID NOS: 147

LENGTH: 20
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Sequence 114, Application US/10160786
Publication No. US20030225013A1
GENERAL INFORMATION:
APPLICAWT: Suban M. Perier
APPLICAWT: Kenneth W. Dobie
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUB-
TITLE OF INVENTION: P150 EXPRESSION
FILE REFERENCE: RTS-0376
CURRENT APPLICATION NUMBER: US/10/160,786
                                                                                                                             Sequence 112, Application US/10160786

Publication No. US20030225013A1

GENERAL INFORMATION:
APPLICANT: SUSAN M. Freier

APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUBTITLE OF INVENTION: P150 EXPRESSION
FILE REPERENCE: RTS-0376
CURRENT APPLICATION NUMBER: US/10/160,786
CURRENT PILING DATE: 2002-05-31
SEQ ID NO 112
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         GCCCAAGATGATGCTACTAT 20
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Best Local Similarity 100.
Matches 20; Conservative
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nes 20; Conserva
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ORGANISM: H. sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: DNA
ORGANISM: H. sapiens
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US-10-160-786-113
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US-10-160-786-113
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US-10-160-786-112
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Best Local S
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Page 59

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Sequence 120, Application US/10160786
Publication No. US20030225013A1
GENERAL INFORMATION:
GAPLICANT: Susan M. Freier
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: PLSO EXPRESSION
TITLE OF INVENTION: PLSO EXPRESSION
TITLE OF INVENTION: PLSO EXPRESSION
CURRENT APPLICATION NUMBER: US/10/160,786
CURRENT APPLICATION NUMBER: US/10/160,786
CURRENT FILING DATE: 2002-05-31
NUMBER OF SEQ ID NOS: 147
LENGTH: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-10-160-786-121

| Sequence 121, Application US/10160786
| Publication No US20030225013A1
| GENERAL INFORMATION:
| APPLICANT: Suban M. Freier
| APPLICANT: Kenneth W. Dobie
| TITLE OF INVENTION: P150 EXPRESSION
| TITLE OF INVENTION: P150 EXPRESSION
| TITLE OF INVENTION: P150 EXPRESSION
| CURRENT APPLICATION NUMBER: US/10/160,786
| CURRENT APPLICATION NUMBER: US/10/160,786
| CURRENT PILING DATE: 2002-05-31
| NUMBER OF SEQ ID NOS: 147
| SEQ ID NO 121
| LENGTH: 20
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2.6e+02;
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100.0%; Pred. No. 2.6
tive 0; Mismatches
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0.4%; Score 20; DB
Best Local Similarity 100.0%; Pred. No. 2.6
Matches 20; Conservative 0; Mismatches
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Best Local Similarity 100.
Matches 20; Conservative
NUMBER OF SEQ ID NOS: 147
SEQ ID NO 119
LENGTH: 20
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                                                                ; TYPE: DNA
; ORGANISM: H. sapiens
; FEATURE:
US-10-160-786-119
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US-10-160-786-118
US-10-160-786-118
SQUENCE 118, Application US/10160786
Publication No. US20030225013A1
GENERAL INFORMATION:
APPLICANT: Susan M. Freier
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: PISO EXPRESSION
FILE REPERENCE: RTS-0376
CURRENT APPLICATION NUMBER: US/10/160,786
CURRENT PILING DATE: 2002-05-31
SEQ ID NO 118
                                                                                                                                                                     APPLICANT: Susan M. Freier
APPLICANT: Susan M. Dobie
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUE
TITLE OF INVENTION: P150 EXPRESSION
FILE REFERENCE: RTS-0376
CURRENT APPLICATION NUMBER: US/10/160,786
CURRENT FILING DATE: 2002-05-31
NUMBER OF SEQ ID NOS: 147
SEQ ID NO 117
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Publication No. US20030225013A1
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Susan M. Freier
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: P150 EXPRESSION
TITLE OF INVENTION: P150 EXPRESSION
FILE REPERENCE: RTS-0376
CURRENT APPLICATION NUMBER: US/10/160,786
CURRENT FILING DATE: 2002-05-31
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0.4%; Score 20; DB 1; Le
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 20; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0.4%; Score 20; DB 1; Le
100.0%; Pred. No. 2.6e+02;
tive 0; Mismatches 0;
                                                                                                         Sequence 117, Application US/10160786; Publication No. US20030225013A1; GENERAL INFORMATION:
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  1 TTAGTGATGCTGAGGAATTT 20
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Best Local Similarity 100.
Matches 20; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: DNA
ORGANISM: H. sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                       ORGANISM: H. sapiens
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GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Susan M. Freier
APPLICANT: Susan M. Freier
APPLICANT: Renneth W. Dobie
TITLE OF INVENTION: P150 EXPRESSION
FILE REFERENCE: RTS-0376
CURRENT APPLICATION NUMBER: US/10/160,786
CURRENT APPLICATION NUMBER: 2002-05-31
NUMBER OF SEQ ID NOS: 147
SEQ ID NOS: 147
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; Sequence 126, Application US/10160786
; Publication No. US20030225013A1
; GENERAL INFORMATION:
    APPLICANT: Susan M. Freier
    APPLICANT: Kenneth W. Dobie
    TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUBITITLE OF INVENTION: P150 EXPRESSION
    TITLE OF INVENTION: P150 EXPRESSION
    TITLE OF INVENTION: NOTOBER: US/10/160,786
    CURRENT APPLICATION NUMBER: US/10/160,786
    CURRENT FILING DATE: 2002-05-31
    NUMBER OF SEQ ID NOS: 147
    SEQ ID NO 126
    LENGTH: 20
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0.4%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 20; Conservative 0; Mismatches 0; Indels
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ORGANISM: H. sapiens
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                                                           ; TYPE: DNA; ORGANISM: H. sapiens; FEATURE: US-10-160-786-124
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Best Local Similarity
Matches 20; Conserv
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SEQ ID NO 124
                             LENGTH:
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Sequence 123, Application US/10160786
Sequence 123, Application No. US20030225013A1
GENERAL INFORMATION:
APPLICANT: Susan M. Freier
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: P150 EXPRESSION
TITLE OF INVENTION
TITLE OF INVENTION: P150 EXPRESSION
TITLE OF INVENTION: P150 EXPRESSION
TITLE OF INVENTION: P150 EXPRESSION
TITLE OF INVENTION

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Publication No. US20030225013A1
GENERAL INFORMATION:
APPLICANT: Susan M. Freier
APPLICANT: Renneth W. Dobie
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUBTILLE OF INVENTION: P150 EXPRESSION
TITLE OF INVENTION: P150 EXPRESSION
CURRENT APPLICATION NUMBER: US/10/160,786
CURRENT APPLICATION NUMBER: 2002-05-31
NUMBER OF SEQ ID NOS: 147
                                                                                             US-10-160-786-122
Sequence 122, Application US/10160786
Sequence 122, Application US/10160786
Sequence 122, Application US/201341
Sequence 122, Application US/201341
GENERAL INFORMATION:
APPLICANT: Susan M. Freier
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUBTITLE OF INVENTION: P150 EXPRESSION
FILE REFERENCE: RTS-0376
CURRENT APPLICATION UNDER: US/10/160,786
CURRENT APPLICATION UNDER: US/202-05-31
NUMBER OF SEQ ID NOS: 147
SEQ ID NO 122
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100.0%; Pred. No. 2.6e+02;
tive 0; Mismatches 0; Indels
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Pred. No. 2.6e+02;
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100.0%; Pred. No. ...
0; Mismatches
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Best Local Similarity 100.
Matches 20; Conservative
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Best Local Similarity 100.
Matches 20; Conservative
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ORGANISM: H. sapiens
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US-10-160-786-124
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US-10-160-786-123
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Sequence 130, Application US/10160786
Publication No. US20030225013A1
GENERAL INFORMATION:
GENERAL INFORMATION:
TAPLICANT: Suban M. Freier
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUBITIES OF INVENTION: P150 EXPRESSION
TITLE OF INVENTION: P150 EXPRESSION
TITLE OF INVENTION: WINBER: US/10/160,786
CURRENT APPLICATION NUMBER: US/10/160,786
CURRENT FILING DATE: 2002-05-31
NUMBER OF SEQ ID NOS: 147
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Publication No. US20030225013A1
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Susan M. Freier
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUBITITLE OF INVENTION: P160 EXPRESSION
FILE REFERENCE: RTS-0376
CURRENT APPLICATION NUMBER: US/10/160,786
CURRENT FILING DATE: 2002-05-31
NUMBER OF SEQ ID NOS: 147
SEQ ID NO 131
LENGTH: 20
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0.4%; Score 20; DB 1; Le
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 20; Conservative 0; Mismatches 0;
                                                                                                                                              0.4%; Score 20; DB 1; L. 100.0%; Pred. No. 2.6e+02; Live 0; Mismatches 0;
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Matches 20; Conservative
LENGTH: 20
TYPE: DNA
ORGANISM: H. Bapiens
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ORGANISM: H. sapiens
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                                                                             ; FEATURE:
US-10-160-786-129
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US-10-160-786-130
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US-10-160-786-131
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LENGTH: 20
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                                                              Sequence 127, Application US/10160786
Publication No. US20030225013A1
GENERAL INFORMATION:
APPLICANT: Susan Freier
APPLICANT: Susan Freier
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUE
TITLE REFERENCE: RTS-0376
CURRENT APPLICATION NUMBER: US/10/160,786
CURRENT APPLICATION NUMBER: US/10/160,786
CURRENT PILING DATE: 2002-05-31
NUMBER OF SEQ ID NOS: 147
SEQ ID NO 127
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US-10-160-786-128
US-10-160-786-128
Sequence 128, Application US/10160786
Publication No. US20030225013A1
GENERAL INFORMATION:
APPLICANT: Suban M. Freier
APPLICANT: Renneth W. Dobie
TITLE OF INVENTION: P150 EXPRESSION
TITLE OF INVENTION: P150 EXPRESSION
TITLE OF PAPLICATION NUMBER: US/10/160,786
CURRENT APPLICATION NUMBER: US/10/160,786
CURRENT PILING DATE: 2002-05-31
NUMBER OF SEQ ID NOS: 147
LENGTH: 20
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Publication No. US20030225013A1
GENERAL INFORMATION:
APPLICANT: Susan M. Freier
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUB-
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUB-
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUB-
TITLE OF INVENTION: PLSO EXPRESSION
FILE REFERENCE: RTS-0376
CURRENT APPLICATION NUMBER: US/10/160,786
CURRENT FILING DATE: 2002-05-31
NUMBER OF SEQ ID NOS: 147
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100.0%; Pred. No. 2.6e+02;
ive 0; Mismatches 0; Indels
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Pred. No. 2.6e+02;
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100.0%; Pred. No.
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Matches 20; Conservative
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Best Local Similarity 100.
Matches 20; Conservative
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                                                    JS-10-160-786-127
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US-10-160-786-129
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Sequence 135, Application US/10160786
; Sequence 135, Application US/10160786
; Sequence 135, Application No. US20030226013A1
; GENERAL INFORMATION:
; APPLICANT: Seamen M. Preier
; APPLICANT: Kenneth W. Dobie
; TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUBL.
; TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUBL.
; TITLE OF INVENTION: ANTISENSE MODULATION OF PROSPHOINOSITIDE-3-KINASE, REGULATORY SUBL.
; TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUBL.
; TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUBL.
; TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUBL.
; TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUBL.
; TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUBL.
; TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUBL.
; TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUBL.
; TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUBL.
; TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUBL.
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Publication No. US20030225013A1

GENERAL INFORMATION:
APPLICANT: Susan M. Freier
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUBMITIES OF INVENTION: P150 EXPRESSION
FILE REFERENCE: RTS-0376
CURRENT APPLICATION NUMBER: US/10/160,786
CURRENT FILING DATE: 2002-05-31
NUMBER OF SEQ ID NOS: 147
SEQ ID NO 136
LENGTH: 20
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                                                                                                                               Query Match
0.4%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 20; Conservative 0; Mismatches 0; Indels
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100.0%; Pred. No. 2.6e+02;
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Best Local Similarity 100.0%; Pred. No. 2.6
Matches 20; Conservative 0; Mismatches
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ORGANISM: H. sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ORGANISM: H. sapiens
FEATURE:
; TYPE: DNA; ORGANISM: H. sapiens; FEATURE:
US-10-160-786-134
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US-10-160-786-135
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Publication No. US20030225013A1
GENERAL INFORMATION:
APPLICANT: Susan M. Freier
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: PAIS EXPRESSION
FILE REPERENCE: RTS-0376
CURRENT FILING DATE: 2002-05-31
NUMBER OF SEQ ID NOS: 147
SEQ ID NO 133
LENGTH: 20
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US-10-160-786-134
US-10-160-786-134
Sequence 134, Application US/10160786
Publication No. US20030225013A1
GENERAL INFORMATION:
APPLICANT: Susan M. Freier
APPLICANT: Susan M. Preier
APPLICANT: Seneth W. Dobie
TITLE OF INVENTION: P150 EXPRESSION
TITLE OF INVENTION: P150 EXPRESSION
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUB
TITLE OF INVENTION: ANTISENSE WOODLATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUB
CURRENT APPLICATION NUMBER: US/10/160,786
CURRENT FILING DATE: 2002-05-31
NUMBER OF SEQ ID NOS: 147
SEQ ID NO 134
LENGTH: 20
                                                      Sequence 132, Application US/10160786

Publication No. US20030225013A1

GENERAL INFORMATION:
GENERAL INFORMATION:
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUB-
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUB-
TITLE OF INVENTION: P150 EXPRESSION
FILE REFERENCE: RTS-0376
CURRENT APPLICATION NUMBER: US/10/160,786
CURRENT PILING DATE: 2002-05-31
NUMBER OF SEQ ID NOS: 147
SEQ ID NO 132
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Pred. No. 2.6e+02;
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ORGANISM: H. sapiens
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ORGANISM: H. sapiens
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               RESULT 257
US-10-160-786-132
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Best Local Si
Matches 20
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Sequence 140, Application US/10160786

Publication No. US20030225013A1
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Susan M. Freier
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY GUBI
TITLE OF INVENTION: P150 EXPRESSION
FILE REFERENCE: RTS-0376
CURRENT APPLICATION NUMBER: US/10/160,786
CURRENT FILING DATE: 2002-05-31
NUMBER OF SEQ ID NOS: 147
SEQ ID NO 140
LENGTH: 20
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Sequence 141, Application US/10160786

PUBLICALION NO. US20030225013A1

GENERAL INFORMATION:

APPLICANT: Susan M. Freier

APPLICANT: Kenneth W. Dobie

TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY GUBI

TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY GUBI

TITLE OF INVENTION: ANTISENSE NO 150

FILE REFERENCE: RTS-0376

CURRENT APPLICATION NUMBER: US/10/160,786

CURRENT PILING DATE: 2002-05-31

NUMBER OF SEQ ID NOS: 147

FENCINC ON 141
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Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 20; Conservative 0; Mismatches 0;
                                                                                                                                             Query Match 0.4%; Score 20; DB 1; Le Best Local Similarity 100.0%; Pred. No. 2.6e+02; Matches 20; Conservative 0; Mismatches 0;
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; ORGANISM: H. sapiens
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FEATURE:
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FEATURE:
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                                                                    US-10-160-786-139
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US-10-160-786-142
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               Sequence 137, Application US/10160786

Publication No. US20030225013A1

GENERAL INFORMATION:

APPLICANT: Susan M. Freier

APPLICANT: Kenneth W. Dobie

TITLE OF INVENTION: P150 EXPRESSION

FILE REFERENCE: RTS-0376

CURRENT APPLICATION NUMBER: US/10/160,786

CURRENT FILING DATE: 2002-05-31

NUMBER OF SEQ ID NOS: 147

SEQ ID NO 137
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 138, Application US/10160786
Publication No. US20030225013A1
GENERAL INFORMATION:
APPLICANT: Susan M. Freier
APPLICANT: Renneth W. Dobie
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUE
FILE REFERENCE: RTS-0376
CURRENT APPLICATION NUMBER: US/10/160,786
CURRENT PILING DATE: 2002-05-31
NUMBER OF SEQ ID NOS: 147
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| Publication No. US20030225013A1
| Control of the Control
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100.0%; Pred. No. 2.6e+02;
cive 0; Mismatches 0; Indels
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Best Local Similarity 100.
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Matches 20, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: DNA
ORGANISM: H. sapiens
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ORGANISM: H. sapiens
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US-10-160-786-139
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LENGTH: 20
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WS-10-160-786-145

| Sequence 145, Application US/10160786
| Sequence 145, Application US/10160786
| Publication No. US20030225013A1
| Publication No. US20030225013A1
| GENERAL INFORMATION: Freir
| APPLICANT: Susan M. Freir
| APPLICANT: Susan M. Probie
| TITLE OF INVENTION: P150 EXPRESSION | CURRENT APPLICATION NUMBER: US/10/160,786 | CURRENT FILING DATE: 2002-05-31 | NUMBER OF SEQ ID NOS: 147 | SEQ ID NO 145 |
| SEQ ID NO 145 | SEQ ID NO 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-10-160-786-146

Sequence 146, Application US/10160786

Sequence 146, Application US/10160786

Publication No. US20030225013A1

GENERAL INFORMATION

APPLICANT: Suban M. Freier

APPLICANT: Kenneth W. Dobie

TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUBITITLE OF INVENTION: 19150 EXPRESSION

TITLE OF INVENTION: 19150 EXPRESSION

TITLE OF INVENTION NUMBER: US/10/160,786

CURRENT APPLICATION NUMBER: US/10/160,786

CURRENT FILING DATE: 2002-05-31

NUMBER OF SEQ ID NOS: 147

SEQ ID NO 146

LENGTH: 20
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100.0%; Pred. No. 2.6e+02;
tive 0; Mismatches 0; Indels
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100.0%; Pred. No. 2.6e+02;
iive 0; Mismatches 0;
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US-10-160-786-147
; Sequence 147, Application US/10160786
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Matches 20; Conservative
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ORGANISM: H. sapiens
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Best Local Similarity
Matches 20; Conserv
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         ; FEATURE:
US-10-160-786-144
                                                                                                   Query Match
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US-10-160-786-143

Sequence 143, Application US/10160786

Sequence 143, Application No. US20030225013A1

GENERAL INFORMATION:
APPLICANT: Susan M. Freier

APPLICANT: Kenneth M. Doble
TITLE OF INVENTION: P150 EXPRESSION
TITLE OF INVENTION: P150 EXPRESSION
TITLE OF INVENTION: P150 EXPRESSION
TITLE OF THE REPERENCE: RTS-0376
CURRENT FILING DATE: 2002-05-31
NUMBER OF SEQ ID NOS: 147

SEQ ID NO 143
LENGTH: 20
Sequence 142, Application US/10160786
Publication No. US20030225013A1
GENERAL INFORMATION:
APPLICANT: Susan M. Freier
APPLICANT: Susan M. Dobie
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUBTILE REFERENCE: RTS-0376
CURRENT APPLICATION NUMBER: US/10/160,786
CURRENT FILING DATE: 2002-05-31
NUMBER OF SEQ ID NOS: 147
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Best Local Similarity 100.
Matches 20; Conservative
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ORGANISM: H. sapiens
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ORGANISM: H. sapiens
                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: DNA
ORGANISM: H. sapiens
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LENGTH: 20
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LENGTH: 20
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Sequence 13, Application US/10667022
Publication No. US20040063657A1
FORDINGATION:
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUBITILIES REFERENCE: RTS-0376
CURRENT APPLICATION NUMBER: US/10/667,022
CURRENT FILING DATE: 2003-09-18
NUMBER OF SEQ ID NOS: 147
LENGTH: 20
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US-10-667-022-14/C
US-10-667-022-14/C
Sequence 14, Application US/10667022
Spublication No. US20040063657A1
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Susan M. Freier
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUBITIVE OF INVENTION: P150 EXPRESSION
TITLE REFERENCE: RTS-0376
CURRENT APPLICATION NUMBER: US/10/667,022
CURRENT FILING DATE: 2003-09-18
SEQ ID NOS: 147
LENGTH: 20
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0.4%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 20; Conservative 0; Mismatches 0; Indels
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                                                                                                   Length 20;
                                                                                                                                                   Indels
                                                                                 DB 1; Len.
                            ; OTHER INFORMATION: Antisense Oligonucleotide US-10-667-022-12
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                                                                                                   Query Match 0.4%; Score 20; DB Best Local Similarity 100.0%; Pred. No. 2.6 Matches 20; Conservative 0; Mismatches
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                                                                                                                                                                                                                                                                                                                         RESULT 275
US-10-667-022-13/c
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Publication No. US20040063657A1

GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUBTITLE OF INVENTION: P150 EXPRESSION
FILE REFERENCE: RTS-0376
CURRENT APPLICATION NUMBER: US/10/667,022
CURRENT FILING DATE: 2003-09-18
NUMBER OF SEQ ID NOS: 147

LENGTH: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Susan M. Freier
APPLICANT: Susan M. Preier
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUB-
TITLE OF INVENTION: P150 EXPRESSION
FILE REFERENCE: RTS-0376
CURRENT APPLICATION NUMBER: US/10/667,022
CURRENT PILING DATE: 2003-09-18
NUMBER OF SEQ ID NOS: 147
LENGTH: 20
                                           APPLICANT: Susan M. Freier
APPLICANT: Susan M. Preier
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUB-
TITLE OF INVENTION: PLSO EXPRESSION
FILE REFERENCE: RTS-0376
CURRENT APPLICATION NUMBER: US/10/160, 786
CURRENT FILLING DATE: 2002-05-31
NUMBER OF SEQ ID NOS: 147
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0.4%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 20; Conservative 0; Mismatches 0; Indels
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0.4%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 20; Conservative 0; Mismatches 0; Indels
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Publication No. US20030225013A1
GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                      ORGANISM: H. sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT 273
US-10-667-022-11/c
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US-10-667-022-12/c
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                                                                                                                                                                                                                                            SEQ ID NO 147
                                                                                                                                                                                                                                                                                             TYPE: DNA
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APPLICANT: Susan M. Freier
APPLICANT: Susan M. Preier
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUBU-
TITLE OF INVENTION: P150 EXPRESSION
FILE REFERENCE: RTS-0376
CURRENT APPLICATION NUMBER: US/10/667,022
CURRENT FILING DATE: 2003-09-18
NUMBER OF SEQ ID NOS: 147
SEQ ID NO 18
LENGTH: 20
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Sequence 19, Application US/10667022
Sequence 19, Application No. US20040063657A1
GENERAL INFORMATION:
APPLICANT: Susan M. Freier
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUBMITTIE OF INVENTION: APPLICANTION: P150 EXPRESSION FILE REFERENCE: RTS-0376
CURRENT APPLICATION NUMBER: US/10/667,022
CURRENT FILING DATE: 2003-09-18
NUMBER OF SEQ ID NOS: 147
SEQ ID NO 19
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0.4%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 20; Conservative 0; Mismatches 0; Indels
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0.4%; Score 20; DB 1; L.
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 20; Conservative 0; Mismatches 0;
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0.4%; Score 20; DB 1; L
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 20; Conservative 0; Mismatches 0;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; OTHER INFORMATION: Antisense Oligonucleotide US-10-667-022-18
                                                                                               FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-10-667-022-17
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GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       631 GATATTCATGACTTTGAATA 650
                                                                                                                                                                                                                                                                                              559 CITGCCATTATGGGAAATCA 578
                                                                                                                                                                                                                                                                                                                           20 CTTGCCATTATGGGAAATCA 1
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SEQ ID NO 17
LENGTH: 20
TYPE: DNA
ORGANISM: Artificial Sequence
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US-10-667-022-18/c
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Sequence 16, Application US/10667022

Publication No. US20040063657A1

GENERAL INFORMATION:
APPLICANT: Susan M. Freier
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: ANTIENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUBTILE OF INVENTION: P150 EXPRESSION
TITLE OF INVENTION: P150 EXPRESSION
CURRENT APPLICATION NUMBER: US/10/667,022

CURRENT FILING DATE: 2003-09-18

NUMBER OF SEQ ID NOS: 147

SEQ ID NO 16

LENGTH: 20
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                              US-10-667-022-15/c

JEGURACY - 022-15/c

Sequence 15, Application US/10667022

Sequence 15, Application World - 020040063657A1

Sequence 15, Application No. US20040063657A1

GENERAL INFORMATION:

APPLICANT: Susan M. Freier

APPLICANT: Kenneth W. Dobie

TITLE OF INVENTION: P150 EXPRESSION

TITLE OF INVENTION: P150 EXPRESSION

TITLE OF INVENTION: D15

CURRENT FILING DATE: 2003-09-18

NUMBER OF SEQ ID NOS: 147

SEQ ID NOS: 147

LENGTH: 20
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Sequence 17, Application US/10667022

Sequence 17, Application US/10667022

PUBLICATION NO. US:20040063657A1

PUBLICANT: Sugan M. Freier

APPLICANT: Kenneth W. Dobie

TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY:
TITLE OF INVENTION: ANTISENSE MODULATION OF FILE REFERENCE: RTS-0376

CURRENT APPLICATION NUMBER: US/10/667,022

CURRENT FILING DATE: 2003-09-18

NUMBER OF SEQ ID NOS: 147
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0.4%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 20; Conservative 0; Mismatches 0; Indels
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US-10-667-022-15
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ORGANISM: Artificial Sequence
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US-10-667-022-16/c
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Sequence 23, Application US/10667022
Publication No. US20040063657A1
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Susan M. Freier
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUBI
TITLE OF INVENTION: P150 EXPRESSION
FILE REFERENCE: RTS-0376
CURRENT APPLICATION NUMBER: US/10/667,022
CURRENT PILING DATE: 2003-09-18
NUMBER OF SEQ ID NOS: 147
SEQ ID NO 23
LENGTH: 20
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Publication No. US20040063657A1
Publication No. US20040063657A1
Publication No. US20040063657A1
Publication No. US20040063657A1
REPERIORY: Susan M. Freier
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: ARTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUBITITLE OF INVENTION: P150 EXPRESSION
FILE REPERENCE: RTS-0376
CURRENT APPLICATION NUMBER: US/10/667,022
CURRENT FILING DATE: 2003-09-18
NUMBER OF SEQ ID NOS: 147
SEQ ID NO 24
LENGTH: 20
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OTHER INFORMATION: Antisense Oligonucleotide
US-10-667-022-23
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US-10-667-022-24
FILE REFERENCE: RTS-0376
CURRENT APPLICATION NUMBER: US/10/667,022
CURRENT FILING DATE: 2003-09-18
NUMBER OF SEQ ID NOS: 147
SEQ ID NO 22
LENGTH: 20
TYPE: DNA
ORGANISM: Artificial Sequence
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Matches 20; Conserv
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                                                                                                                                                                                              Sequence 20, Application US/10667022
Publication No. US20040063657A1
GENERAL INFORMATION:
APPLICANT: Susan M. Freier
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: PLSO EXPRESSION
TITLE OF INVENTION: PLSO EXPRESSION
FILE REFERENCE: RTS-0376
CURRENT APPLICATION NUMBER: US/10/667,022
CURRENT PILING DATE: 2003-09-18
NUMBER OF SEQ ID NOS: 147
SEQ ID NO 20
LENGTH: 20
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Bublication No. US20040063657A1

GENERAL INFORMATION:
GURRENT APPLICATION NUMBER: US/10/667,022
GURRENT FILING DATE:
GURRENT FILING DATE:
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| Publication No. US2004006355A1
| GENERAL INFORMATION:
| APPLICANT: Susan M. Freier
| APPLICANT: Kenneth W. Dobie
| TITLE OF INVENTION: PLO EXPRESSION
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0.4%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 20; Conservative 0; Mismatches 0; Indels
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OTHER INFORMATION: Antisense Oligonucleotide
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                                CGAGAAGGCCTGGTCGTTGT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: DNA ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
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US-10-667-022-21/c
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US-10-667-022-22/c
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APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUBL.
TITLE OF INVENTION: P150 EXPRESSION
TITLE OF INVENTION: P150 EXPRESSION
TITLE OF INVENTION: P150 EXPRESSION
CURRENT APPLICATION NUMBER: US/10/667,022
CURRENT FILING DATE: 2003-09-18
SEQ ID NO 27
LENGTH: 20
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US-10-667-022-28/c
US-10-667-022-28/c
Sequence 28, Application US/10667022
Sequence 28, Application No. US20040063657A1
GENERAL INFORMATION:
APPLICANT: Susan M. Freier
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUBITITE OF INVENTION: P150 EXPRESSION
FILE REPERENCE: RTS-0376
CURRENT FILING DATE: 2003-09-18
NUMBER OF SEQ ID NOS: 147
SEQ ID NO 28
LENGTH: 20
TEMPTH: 20
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Sequence 29, Application US/10667022

Sequence 29, Application US/10667022

Sequence 29, Application US/10667022

Sequence 29, Application World US-10-667-022

GENERAL INFORMATION:

APPLICANT: Seneth W. Dobie

TITLE OF INVENTION: P150 EXPRESSION

TITLE OF INVENTION: P150 EXPRESSION

TITLE OF INVENTION: P150 EXPRESSION

TITLE OF UNENTION: P160 EXPRESSION

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0.4%; Score 20; DB 1; Le
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 20; Conservative 0; Mismatches 0;
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100.0%; Pred. No. 2.6e+02;
tive 0; Mismatches 0;
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1. OTHER INFORMATION: Antisense Oligonucleotide
US-10-667-022-28
                                                                                                                                                                                                                                                                                                                                                                                      ; OTHER INFORMATION: Antisense Oligonucleotide
US-10-667-022-27
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ORGANISM: Artificial Sequence
FEATURE:
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ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                   TYPE: DNA ORGANISM: Artificial Sequence FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match 0.4
Best Local Similarity 100.
Matches 20; Conservative
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; Publication No. US20040063657A1
; GENERAL INFORMATION:
GENERAL TO THORMATION:
TITLE OF INVENTION: APPLICANTION: APTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUE
TITLE OF INVENTION: P150 EXPRESSION
FILE REPERENCE: RTS-0376
CURRENT APPLICATION NUMBER: US/10/667,022
CURRENT FILING DATE: 2003-09-18
NUMBER OF SEQ ID NOS: 147
; SEQ ID NO 26
LENGTH: 20
                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Susan M. Freier
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUE
TITLE OF INVENTION: P150 EXPRESSION
FILE REFERENCE: RTS-0376
CURRENT APPLICATION NUMBER: US/10/667,022
CURRENT PILING DATE: 2003-09-18
NUMBER OF SEQ ID NOS: 147
SEQ ID NO 25
LENGTH: 20
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0.4%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 20; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match 0.4%; Score 20; DB 1; Length 20; Best Local Similarity 100.0%; Pred. No. 2.6e+02; Matches 20; Conservative 0; Mismatches 0; Indels
                                           Indels
             100.0%; Pred. No. 2.6e+02;
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; OTHER INFORMATION: Antisense Oligonucleotide
US-10-667-022-25
                                              0; Mismatches
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US-10-667-022-27/C
'Sequence 27, Application US/10667022
'Publication No. US20040063657Al
'GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                      US-10-667-022-25/c; Sequence 25, Application US/10667022; Publication No. US20040063657Al; GENERAL INFORMATION:
                                                                                                          914 CCCGTCCATTCTTGAATAAC 933
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ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: DNA
ORGANISM: Artificial Sequence
                    Best Local Similarity 100.
Matches 20; Conservative
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Sequence 32, Application US/10667022
Publication No. US20040063657A1
GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Susan M. Freier
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: P150 EXPRESSION
FITLE OF INVENTION: P150 EXPRESSION
FILE REFERENCE: RTS-0376
CURRENT APPLICATION NUMBER: US/10/667,022
CURRENT FILING DATE: 2003-09-18
NUMBER OF SEQ ID NOS: 147
SEQ ID NO 32
LENGTH: 20
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Publication No. US20040063657A1

GENERAL INFORMATION:
APPLICANT: Susan M. Freier

APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUBI
TITLE OF INVENTION: P150 EXPRESSION
FILE REFERENCE: RTS-0376
CURRENT APPLICATION NUMBER: US/10/667,022
CURRENT FILING DATE: 2003-09-18
NUMBER OF SEQ ID NOS: 147

LENGTH: 20
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Publication No. US20040063657A1

GENERAL INFORMATION:
APPLICANT: Sueam M. Freier
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: P150 EXPRESSION
FILE REFERENCE: RTS-0376
CURRENT APPLICATION NUMBER: US/10/667,022
CURRENT FILING DATE: 2003-09-18
NUMBER OF SEQ ID NOS: 147
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0.4%; Score 20; DB 1; Lv
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 20; Conservative 0; Mismatches 0;
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100.0%; Pred. No. 2.6e+02;
live 0; Mismatches 0;
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Best Local Similarity 100.
Matches 20; Conservative
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US-10-667-022-33/c
       JS-10-667-022-32/c
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US-10-667-022-31/c

i Sequence 31, Application US/10667022

i Sequence 31, Application US/10667022

i Publication No. US20040063657A1

i Publication No. US20040063657A1

i RENEMAL INFORMATION:

i APPLICANT: Susan M. Preler

i APPLICANT: Susan M. Preler

i TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUE

i TITLE OF INVENTION: P150 EXPRESSION

i FILE REFERENCE: RTS-0376

i CURRENT APPLICATION UMBER: US/10/667,022

i CURRENT PILING DATE: 203-09-18

i NUMBER OF SEQ ID NOS: 147

i SEQ ID NO 31

I.ENGTH: 20
                                                                                                                                                                                                                                                                                                                                    Sequence 30. Application US/10667022
Publication No. US20040063657A1
GENERAL INFORMATION:
APPLICANT: Susan M. Freier
APPLICANT: Renneth W. Dobie
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUB-
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUB-
TITLE OF INVENTION: ANTISENSE WORLATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUB-
FILE REFERENCE: RTS-0376
CURRENT APPLICATION NUMBER: US/10/667,022
CURRENT PILING DATE: 2003-09-18
NUMBER OF SEQ ID NOS: 147
SEQ ID NO 30
LENGTH: 20
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                                                                         Query Match

0.4%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 20; Conservative 0; Mismatches 0; Indels
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100.0%; Pred. No. 2.6e+02;
tive 0; Mismatches 0; Indels
; OTHER INFORMATION: Antisense Oligonucleotide
US-10-667-022-29
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                                                                                                                                                                       1115 TCAATTATTTCTTTGACACA 1134
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Matches 20; Conserva
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                                                                                                                                                                                                                                                                                              RESULT 292
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Sequence 37, Application US/10667022

Publication No. US20040063657A1

GENERAL INFORMATION:
GENERAL INFORMATION:
FREIENT: Susan M. Freier
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: PISO EXPRESSION
TITLE OF INVENTION: PISO EXPRESSION
FILE REFERENCE: RTS-0376
CURRENT APPLICATION NUMBER: US/10/667,022
CURRENT FILING DATE: 2003-09-18
NUMBER OF SEQ ID NOS: 147
SEQ ID NO 37

LENGTH: 20
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Publication No. US20040063657A1

GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Suenan M. Freier
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUBITITLE OF INVENTION: P150 EXPRESSION
FILE REFERENCE: RTS-0376
CURRENT APPLICATION NUMBER: US/10/667,022
CURRENT FILING DATE: 2003-09-18
NUMBER OF SEQ ID NOS: 147
SEQ ID NO 38
LENGTH: 20
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; Sequence 39, Application US/10667022
; Sequence 39, Application US/10667022
; Publication No. US20040063657A1
; Publication No. US20040063657A1
; APPLICANT: Susan M. Freier
; APPLICANT: Kenneth W. Dobie
; TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUB:
; TITLE OF INVENTION: P150 EXPRESSION
; FILE REPERENCE: RIS-0376
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100.0%; Pred. No. 2.6e+02;
tive 0; Mismatches 0;
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20 CAGCGTGGCAATGCCTTTCC 1
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Best Local Similarity 100.
Matches 20; Conservative
                                                                     RESULT 299
US-10-667-022-37/c
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Publication No. US20040063657A1

GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Nean M. Preier
APPLICANT: Nean M. Preier
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUBTITE OF INVENTION: PLSO EXPRESSION
TITLE OF INVENTION: PLSO EXPRESSION
TITLE OF INVENTION: NUMBER: US/10/667,022
CURRENT APPLICATION NUMBER: US/10/667,022
CURRENT FILING DATE: 2003-09-18
NUMBER OF SEQ ID NOS: 147
SEQ ID NO 35
LENGTH: 20
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Publication No. US20040063657A1

GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Naman M. Freier
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUB-
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUB-
TITLE REFERENCE: RTS-0376
CURRENT APPLICATION NUMBER: US/10/667,022
CURRENT FILING DATE: 2003-09-18

NUMBER OF SEQ ID NOS: 147

SEQ ID NO 36

LENGTH: 20
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                                                                                                                                                                       Length 20;
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1 Similarity 100.0%; Pred. No. 2.6e+02;
20; Conservative 0; Mismatches 0;
                                                                                                                                                                    Query Match 0.4%; Score 20; DB 1; L Best Local Similarity 100.0%; Pred. No. 2.6e+02; Matches 20; Conservative 0; Mismatches 0;
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                                                                                            ; OTHER INFORMATION: Antisense Oligonucleotide US-10-667-022-34
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ORGANISM: Artificial Sequence
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                                                      ORGANISM: Artificial Sequence
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US-10-667-022-36/c
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            LENGTH: 20
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RESULT 304

US-10-667-022-42/c

Sequence 42, Application US/10667022

Sequence 42, Application No. US20040063657A1

GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Susan M. Preier

APPLICANT: Kenneth W. Dobie

TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUBI

TITLE OF INVENTION: P150 EXPRESSION

TITLE OF INVENTION: P150 EXPRESSION

TITLE OF UNDERFORCE: R1S-037

CURRENT APPLICATION NUMBER: US/10/667,022

CURRENT PILING DATE: 2003-09-18

NUMBER OF SEQ ID NOS: 147

SEQ ID NO 42

LENGTH: 20
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US-10-667-022-43/c
Sequence 43, Application US/10667022
Sequence 43, Application US/10667022
Sequence 43, Application No. US20040063657A1
GENERAL INFORMATION:
TENDER TOWNER SEQUENCE SEQUENCE SEQUENCE SEQUENCE SETTLE OF INVENTION: P150 EXPRESSION
TITLE OF INVENTIO
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Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 20; Conservative 0; Mismatches 0;
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US-10-667-022-43
             0; Mismatches
                                                                            1706 CTGTTATAACATCCTGCCTA 1725
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; Sequence 44, Application US/10667022
; Publication No. US20040063657A1
; GENERAL INFORMATION:
; APPLICANT: Susan M. Freier
                                                                                                              20 CTGTTATAACATCCTGCCTA 1
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          20; Conservative
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          Matches
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US-10-667-022-40/C
US-10-667-022-40/C
US-10-667-022-40/C
Sequence 40, Application US/10667022
Publication No. US20040063657A1
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Wanneth W. Dobie
TITLE OF INVENTION: PLSO EXPRESSION
TITLE OF INVENTION: PLSO EXPRESSION
TITLE OF INVENTION: PLSO EXPRESSION
TITLE OF TILING DATE: 1003-09-18
CURRENT APPLICATION NUMBER: US/10/667,022
CURRENT APPLICATION NUMBER: US/10/667,022
CURRENT PILING DATE: 2003-09-18
NUMBER OF SEQ ID NOS: 147
SEQ ID NO 40
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Publication No. US20040063657A1
GENERAL INFORMATION:
APPLICANT: Susan M. Freier
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUE
TITLE OF INVENTION: P150 EXPRESSION
TITLE OF INVENTION: RTS-0376
CURRENT APPLICATION NUMBER: US/10/667,022
CURRENT APPLICATION NUMBER: 2003-09-18
NUMBER OF SEQ ID NOS: 147
SEQ ID NO 41
LENGTH: 20
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0.4%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 20; Conservative 0; Mismatches 0; Indels
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100.0%; Pred. No. 2.6e+02;
tive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-10-667-022-39
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US-10-667-022-41
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CURRENT APPLICATION NUMBER: US/10/667,022
CURRENT FILING DATE: 2003-09-18
NUMBER OF SEQ ID NOS: 147
SEQ ID NO 39
LENGTH: 20
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                                                                                                                                                                     TYPE: DNA
ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Best Local Similarity
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Best Local Similarity
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US-10-667-022-41/c
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Sequence 47, Application US/10667022

Publication No. US20040063657A1

Publication No. US20040063657A1

Publication No. US20040063657A1

Publication No. US20040063657A1

APPLICANT: Stan M. Freier

APPLICANT: Kenneth W. Dobie

TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUBITITLE OF INVENTION: P150 EXPRESSION

TITLE OF INVENTION: P150 EXPRESSION

TITLE OF INVENTION: P150 EXPRESSION

CURRENT APPLICATION NUMBER: US/10/667,022

CURRENT APPLICATION NUMBER: 103-09-18

NUMBER OF SEQ ID NOS: 147

SEQ ID NO 47

LENGTH: 20
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US-10-667-022-48/C
Sequence 48, Application US/10667022
Sequence 48, Application No. US20040063657A1
Sequence 48, Application No. US20040063657A1
Septicant: Susan M. Freier
APPLICANT: Susan M. Freier
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: PL50 EXPRESSION
TITLE OF INVENTION: PL50 EXPRESSION
TITLE OF INVENTION: US/10/667,022
CURRENT APPLICATION NUMBER: US/10/667,022
CURRENT FILING DATE: 2003-09-18
NUMBER OF SEQ ID NOS: 147
SEQ ID NO 48
LENGTH: 20
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0.4%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 20; Conservative 0; Mismatches 0; Indels
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0.4%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 20; Conservative 0; Mismatches 0; Indels
                                          Length 20;
                                       0.4%; Score 20; DB 1; Lot 100.0%; Pred. No. 2.6e+02; tive 0; Mismatches 0;
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                                                                                                                                          2131 CCAAATGGAAATTATGACAC 2150
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ORGANISM: Artificial Sequence
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                                                 Query Match 0.43
Best Local Similarity 100.
Matches 20; Conservative
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US-10-667-022-49/c
    US-10-667-022-46
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Sequence 46, Application US/10667022

Sequence 46, Application No. US20040063657A1

GENERAL INFORMATION:
APPLICANT: Steneth W. Doble
TITLE OF INVENTION: P150 EXPRESSION
TITLE OF INVENTION: P150 EXPRESSION
FILE REPRENCE: RTS-0376
CURRENT APPLICATION NUMBER: US/10/667,022
CURRENT PILING DATE: 2003-09-18

NUMBER OF SEQ ID NOS: 147

LENGTH: 20
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Sequence 45, Application US/10667022

Sequence 45, Application US/106367A1

GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Suean M. Freier
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: P150 EXPRESSION
FILE REFERENCE: RTS-0376
CURRENT APPLICATION NUMBER: US/10/667,022
CURRENT FILING DATE: 2003-09-18

NUMBER OF SEQ ID NOS: 147

SEQ ID NO 45

LENGTH: 20
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUB-
TITLE OF INVENTION: PLSO EXPRESSION
TITLE OF INVENTION: PLSO EXPRESSION
CURRENT APPLICATION NUMBER: US/10/667,022
CURRENT APPLICATION NUMBER: US/10/667,022
CURRENT FILING DATE: 2003-09-18
NUMBER OF SEQ ID NOS: 147
SEQ ID NO 44
LENGTH: 20
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0.4%; Score 20; DB 1; Lé
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 20; Conservative 0; Mismatches 0;
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OTHER INFORMATION: Antisense Oligonucleotide
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                                                                                                                                                                                                                               TYPE: DNA ORGANISM: Artificial Sequence
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US-10-667-022-46/c
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US-10-667-022-45/c
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Sequence 52, Application US/10667022
Publication No. US20040063657A1
GENERAL INFORMATION:
APPLICANT: Subman M. Preier
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-1-KINASE, REGULATORY SUBMITION: PLSO EXPRESSION
TITLE OF INVENTION: PLSO EXPRESSION
FILE REFERENCE: RTS-0376
CURRENT APPLICATION NUMBER: US/10/667,022
CURRENT FILING DATE: 2003-09-18
NUMBER OF SEQ ID NOS: 147
LENGTH: 20
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0.4%; Score 20; DB 1; Lo
Best Local Similarity 100.0%; Pred. No. 2.68+02;
Matches 20; Conservative 0; Mismatches 0;
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; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-10-667-022-52
                                                                                                                              ; OTHER INFORMATION: Antisense Oligonucleotide US-10-667-022-51
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0.4%; Score 20; DB
Best Local Similarity 100.0%; Pred. No. 2.6
Matches 20; Conservative 0; Mismatches
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0.4%; Score 20; DB
Best Local Similarity 100.0%; Pred. No. 2.6
Matches 20; Conservative 0; Mismatches
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TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
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US-10-667-022-50/C

Sequence 50, Application US/10667022

Publication No. US20040063657A1

APPLICANT: Susan M. Freier

APPLICANT: Susan M. Freier

APPLICANT: Kenneth W. Dobie

TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUF

TITLE OF INVENTION: P150 EXPRESSION

FILE REFERENCE: RTS-0376

CURRENT PILING DATE: 203-09-18

NUMBER OF SEQ ID NOS: 147

LENGTH: 20

LENGTH: 20
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US-10-667-022-51/C
US-10-667-022-51/C
SPUDICATION NO. US/20040063657A1
GENERAL INFORMATION:
APPLICANT: Namen W. Preier
APPLICANT: Namen W. Dobie
TITLE OF INVENTION: PL60 EXPRESSION
TITLE OF INVENTION
                                                                                                             APPLICANT: Squan M. Freier
APPLICANT: Guan M. Dobie
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUB-
TITLE OF INVENTION: P150 EXPRESSION
FILE REFERENCE: RTS-0376
CURRENT APPLICATION NUMBER: US/10/667,022
CURRENT FILING DATE: 2003-09-18
NUMBER OF SEQ ID NOS: 147
SEQ ID NOS: 147
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Sequence 49, Application US/10667022 Publication No. US20040063657A1 GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: DNA
ORGANISM: Artificial Sequence
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Best Local Similarity
Matches 20; Conserv
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US-10-667-022-57/c

US-10-667-022-57/c

Sequence 57, Application US/10667022

Sequence 57, Application US/10667022

Sequence 57, Application US/1063-02-1

GENERAL INFORMATION:

APPLICANT: Seneth W. Doble

TITLE OF INVENTION: P150 EXPRESSION

TITLE OF INVENTION: P150 EXPRESSION

TITLE OF INVENTION: P150 EXPRESSION

CURRENT APPLICATION NUMBER: US/10/667,022

CURRENT FILING DATE: 2003-09-18

SEQ ID NOS: 147

LENGTH: 20
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US-10-667-022-58/c

Sequence 58, Application US/10667022

Sequence 58, Application No. US20040063657A1

GENERAL INFORMATION:

SENERAL INFORMATION:

SETILE OF INVENTION:

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0.4%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 20; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                 ; OTHER INFORMATION: Antisense Oligonucleotide US-10-667-022-56
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CURRENT FILING DATE: 2003-09-18 UNDBER OF SEQ ID NOS: 147 LENGTH: 20
                                                                                                                                    TYPE: DNA ORGANISM: Artificial Sequence
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                                                                                                                      Sequence 54, Application US/10667022
Publication No. US20040063657A1
GENERAL INPORMATION:
APPLICANT: Susan M. Freier
APPLICANT: Kenneth M. Dobia
TITLE OF INVENTION: APTIENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUBTILE OF INVENTION: P150 EXPRESSION
TITLE OF INVENTION: P150 EXPRESSION
TITLE OF INVENTION: P150 EXPRESSION
CURRENT APPLICATION NUMBER: US/10/667,022
CURRENT FILING DATE: 2003-09-18
NUMBER OF SEQ ID NOS: 147
EENGTH: 20
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Squence 55, Application US/10667022
Publication No. US20040063657A1
GENERAL INFORMATION:
APPLICANT: Susan M. Freier
APPLICANT: Renneth W. Dobie
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUBTILE REPERENCE: RTS-0376
CURRENT APPLICATION NUMBER: US/10/667,022
CURRENT FILING DATE: 2003-09-18
NUMBER OF SEQ ID NOS: 147
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Publication No. US20040063657A1
GENERAL INFORMATION:
APPLICANT: SUBARN W. Dobie
TITLE OF INVENTION: P150 EXPRESSION
TITLE OF INVENTION: P150 EXPRESSION
FILE REPERENCE: RTS-0376
CURRENT APPLICATION UNMBER: US/10/667,022
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100.0%; Pred. No. 2.6e+02;
Live 0; Mismatches 0; Indels
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0.4%; Score 20; DB 1; Le
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 20; Conservative 0; Mismatches 0;
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; OTHER INFORMATION: Antisense Oligonucleotide
US-10-667-022-54
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; OTHER INFORMATION: Antisense Oligonucleotide
US-10-667-022-55
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ORGANISM: Artificial Sequence
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Best Local Similarity 100.0%
Matches 20; Conservative
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US-10-667-022-56/c
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TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUBITITLE OF INVENTION: P150 EXPRESSION
TITLE OF INVENTION: P150 EXPRESSION
FILE REPERENCE: RTS-0376
CURRENT APPLICATION NUMBER: US/10/667,022
CURRENT FILING DATE: 2003-09-18
SEQ ID NOS: 147
LENGIH: 20
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Publication No. US20040661657A1

GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Susan M. Freier
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUBILITIES OF INVENTION: P150 EXPRESSION
FILE REFERENCE: RTS-0376
CURRENT APPLICATION NUMBER: US/10/667,022
CURRENT FILING DATE: 2003-09-18
NUMBER FO SEQ ID NOS: 147

SEQ ID NO 62
LENGTH: 20
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FUDDICation No. US20040063657A1
GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
TAPPLICANT: Steam M. Freier
APPLICANT: Steam M. PLOB SET SECONDATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUBITION:
APPLICANT: Remneth W. Dobie
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUBITIONS FILE REFERENCE: RTS-0376
CURRENT APPLICATION NUMBER: US/10/667,022
CURRENT FILING DATE: 2003-09-18
NUMBER OF SEQ ID NOS: 147
SEQ ID NO 63
LENGTH: 20
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0.4%; Score 20; DB 1; Le
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 20; Conservative 0; Mismatches 0;
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; OTHER INFORMATION: Antisense Oligonucleotide
US-10-667-022-63
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ORGANISM: Artificial Seguence
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                                                                                                                                                                                                                                                                     Sequence 59, Application US/10667022
| Publication No. US20040063657A1
| GENERAL INFORMATION: APPLICANT: Susan M. Freier
| APPLICANT: Kenneth W. Dobie | TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUB-
| TITLE OF INVENTION: P150 EXPRESSION | FILE REFRENCE: RTS-0376 | CURRENT APPLICATION NUMBER: US/10/667,022 | CURRENT PILLING DATE: 2003-09-18 | NUMBER OF SEQ ID NOS: 147 | SEQ ID NOS: 1
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Bublication No. US20040063657A1

GENERAL INFORMATION:
APPLICANT: Susan M. Freier
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: PL50 EXPRESSION
FILE REFERENCE: RTS-0376
CURRENT APPLICATION UNDER: US/10/667,022
CURRENT FILING DATE: 2003-09-18
NUMBER OF SEQ ID NOS: 147
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100.0%; Pred. No. 2.6e+02;
tive 0; Mismatches 0; Indels
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0.4%; Score 20; DB 1; Lu
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 20; Conservative 0; Mismatches 0;
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                                    3250 TCTGCTGCCATTTGTGTCCC 3269
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; Sequence 61, Application US/10667022
; Publication No. US20040063657A1
; GRNERAL INFORMATION:
; APPLICANT: Suban M. Freier
; APPLICANT: Kenneth W. Dobie
                                                                               TCTGCTGGCATTTGTGTCCC 1
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ORGANISM: Artificial Sequence
FEATURE:
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Matches 20; Conservative
                                                                                                                                                                                                       RESULT 321
US-10-667-022-59/c
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US-10-667-022-60/c
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Publication No. US20040063657A1
GENERAL INFORMATION:
APPLICANT: Susan M. Freier
APPLICANT: Susan M. Dobie
TITLE OF INVENTION: P150 EXPRESSION
FILE OF INVENTION: P150 EXPRESSION
FILE REFERENCE: RIS-0376
CURRENT APPLICATION NUMBER: US/10/667,022
CURRENT FILING DATE: 2003-09-18
NUMBER OF SEQ ID NOS: 147
SEQ ID NO 66
LENGTH: 20
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; Sequence 67, Application US/10667022
; Publication No. US20040063657A1
; GENERAL INFORMATION:
    APPLICANT: Sugan M. Freier
    APPLICANT: Sugan M. Freier
    TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUBITITLE OF INVENTION: P150 EXPRESSION
    TITLE OF INVENTION: P150 EXPRESSION
    FILE REFERENCE: RTS-0376
    CURRENT APPLICATION UNDER: US/10/667,022
    CURRENT FILING DATE: 2003-09-18
    NUMBER OF SEQ ID NOS: 147
    TENDER OF SEQ ID NOS: 147
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US-10-667-022-68/c

US-10-667-022-68/c

Sequence 68, Application US/10667022

Publication No. US20040063657A1

GENERAL INFORMATION:

APPLICANT: Suban M. Preier

APPLICANT: Kenneth W. Dobie

TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUITILE OF INVENTION: P150 EXPRESSION

TITLE OF INVENTION: NUMBER: US/10/667,022

CURRENT APPLICATION NUMBER: US/10/667,022

CURRENT FILING DATE: 2003-09-18

NUMBER OF SEQ ID NOS: 147

SEQ ID NO 68

LENGTH: 20
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100.0%; Pred. No. 2.6e+02;
tive 0; Mismatches 0;
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0.4%; Score 20; DB 1; Lv
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 20; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                               TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Antisense Oligonucleotide
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ORGANISM: Artificial Sequence
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Matches 20; Conservative
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Publication No. US20040063657A1

GENERAL INFORMATION:

APPLICANT: Susan M. Freier

APPLICANT: Kenneth W. Dobie

TITLE OF INVENTION: APTSENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUBTITION OF TITLE OF INVENTION: APPLICANTON: APPLICANTON: APPLICANTON: APPLICANTON: APPLICANTON: APPLICANTON: APPLICANTON: APPLICANTON: APPLICANTON: APPLICANTON UMBER: US/10/667,022

CURRENT APPLICATION NUMBER: US/10/667,022

CURRENT PILING DATE: 2003-09-18

NUMBER OF SEQ ID NOS: 147

LENGTH: 20
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US-10-667-022-65/c
US-10-667-022-65/c

Sequence 65, Application US/10667022

Publication No. US20040063657A1

GENERAL INFORMATION:
APPLICANT: Susan M. Freier
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUBTITE OF INVENTION: P150 EXPRESSION
TITLE OF INVENTION: ANTISENSE WOULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUBTITE REFERENCE: RTS-0376
CURRENT APPLICATION NUMBER: US/10/667,022
CURRENT FILING DATE: 2003-09-18

NUMBER OF SEQ ID NOS: 147

SEQ ID NO 65

LENGTH: 20
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0.4%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 20; Conservative 0; Mismatches 0; Indels
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                                     Query Match 0.4%; Score 20; DB 1; Length 20; Best Local Similarity 100.0%; Pred. No. 2.6e+02; Matches 20; Conservative 0; Mismatches 0; Indels
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0.4%; Score 20; DB 1; Lk
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 20; Conservative 0; Mismatches 0;
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US-10-667-022-66/c
; Sequence 66, Application US/10667022
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ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                 RESULT 326
US-10-667-022-64/c
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Sequence 71, Application US/10667022
Publication No. US20040063657A1
GENERAL INFORMATION:
APPLICANT: Suban M. Freier
APPLICANT: Suban M. Dobie
TITLE OF INVENTION: P150 EXPRESSION
TITLE OF INVENTION: P150 EXPRESSION
TITLE OF INVENTION: R15-0376
CURRENT APPLICATION UNMBER: US/10/667,022
CURRENT FILING DATE: 2003-09-18
SED ID NO 71
LENGTH: 20
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Publication No. US20040063657A1

GENERAL INFORMATION:

APPLICANT: Seam M. Freier

APPLICANT: Kenneth W. Dobie

TITLE OF INVENTION: P150 EXPRESSION

TITLE OF INVENTION: P150 EXPRESSION

FILE REFERENCE: RTS-0376

CURRENT APPLICATION NUMBER: US/10/667,022

CURRENT FILING DATE: 2003-09-18

NUMBER OF SEQ ID NOS: 147

LENGTH: 20
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TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUBITITLE OF INVENTION: P150 EXPRESSION
TITLE OF INVENTION: P150 EXPRESSION
FILE REFERENCE: R1S-0376
CURRENT APPLICATION NUMBER: US/10/667,022
CURRENT FILING DATE: 2003-09-18
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0.4%; Score 20; DB
Best Local Similarity 100.0%; Pred. No. 2.6
Matches 20; Conservative 0; Mismatches
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Publication No. US20040063657A1
GENERAL INFORMATION:
APPLICANT: Susan M. Freier
APPLICANT: Kenneth W. Dobie
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ORGANISM: Artificial Sequence
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                           RESULT 333
JS-10-667-022-71/c
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US-10-667-022-73/c
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                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Susan M. Freier
APPLICANT: Susan M. Preier
APPLICANT: Susan M. Preier
APPLICANT: Susan M. Dobie
TITLE OF INVENTION: ANTISBNSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUBTITLE OF INVENTION: P150 EXPRESSION
FILE REPERENCE: RTS-0376
CURRENT APPLICATION NUMBER: US/10/667,022
CURRENT PILING DATE: 2003-09-18
NUMBER OF SEQ ID NOS: 147
SEQ ID NO 69
LENGTH: 20
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| Publication No. US20040063657A1
| GENERAL INFORMATION:
| APPLICANT: Susan Freier
| APPLICANT: Kenneth W. Dobie
| TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUE
| TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUE
| TITLE OF INVENTION: PLSO EXPRESSION
| FILE REFERENCE: RTS-0376
| CURRENT APPLICATION NUMBER: US/10/667,022
| CURRENT PILING DATE: 2003-09-18
| NUMBER OF SEQ ID NOS: 147
| SEQ ID NO 70
| LENGTH: 20
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                                                                                                              Query Match 0.4%; Score 20; DB 1; Length 20; Best Local Similarity 100.0%; Pred. No. 2.6e+02; Matches 20; Conservative 0; Mismatches 0; Indels
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                                             ; OTHER INFORMATION: Antisense Oligonucleotide US-10-667-022-68
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US-10-667-022-70
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; Publication No. US20040063657A1
; GENERAL INFORMATION:
                                                                                                                                                                                                                                              20 TGTCCAGCTTCTTGGAATTG 1
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ORGANISM: Artificial Sequence
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Best Local Similarity 100.
Matches 20; Conservative
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US-10-667-022-69/c
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US-10-667-022-70/c
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Sequence 76, Application US/10667022
| Publication No. US20040063657A1
| GENERAL INFORMATION:
| APPLICANT: Sonsan M. Freier
| APPLICANT: Renneth W. Dobie | TITLE OF INVENTION: PLSO ENVENTION: PLSO ENVENTION
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US-10-667-022-77/C
US-10-667-022-77/C
Sequence 77, Application US/10667022
Publication No. US20040063657A1
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUBMITILE OF INVENTION: PLIO EXPRESSION
TITLE OF INVENTION: PLIO EXPRESSION
FILE REFERENCE: RTS-0376
CURRENT APPLICATION NUMBER: US/10/667,022
CURRENT FILING DATE: 2003-09-18
NUMBER OF SEQ ID NOS: 147
SEQ ID NO 77
LENGTH: 20
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; Publication No. US20040063657A1
; GENERAL INFORMATION:
; APPLICANT: Suan M. Freier
; APPLICANT: Kenneth W. Dobie
; TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SU
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0.4%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 20; Conservative 0; Mismatches 0; Indels
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0.4%; Score 20; DB 1; L4
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 20; Conservative 0; Mismatches 0;
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; OTHER INFORMATION: Antisense Oligonucleotide
US-10-667-022-76
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4166 TGATTGCAGCTGTTCAGGGC 4185
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                                     20 TGATTGCAGCTGTTCAGGGC 1
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US-10-667-022-78/c
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Sequence 74, Application World 102040063657A1

Publication No. US20040063657A1

GENERAL INFORMATION:

APPLICANT: Kenneth W. Dobie

TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REQULATORY SUE

TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REQULATORY SUE

TITLE OF INVENTION: ANTISENSE WOODLATION OF PHOSPHOINOSITIDE-3-KINASE, REQULATORY SUE

TITLE OF INVENTION: ANTISENSE: US/10/667,022

CURRENT APPLICATION NUMBER: US/10/667,022

CURRENT APPLICATION NUMBER: US/10/667,022

CURRENT FILING DATE: 2003-09-18

NUMBER OF SEQ ID NOS: 147

LENGTH: 20
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0.4%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 20; Conservative 0; Mismatches 0; Indels
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; OTHER INFORMATION: Antisense Oligonucleotide
US-10-667-022-75
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                                                                                                                             TYPE: DNA
ORGANISM: Artificial Sequence
                NUMBER OF SEQ ID NOS: 147
SEQ ID NO 73
LENGTH: 20
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US-10-667-022-74/c
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APPLICANT: Susan M. Freier

APPLICANT: Susan M. Preier

PERIOD NO BENERAL SUSANTERNES MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUBULATION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUBULATI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 82, Application US/10667022

Fublication No. US20040063657A1

GENERAL INFORMATION:
GENERAL INFORMATION:
Freier
APPLICANT: Steam M. Freier
APPLICANT: Steam M. Dobie
TITLE OF INVENTION: P150 EXPRESSION
FILE REFERENCE: RTS-0376
CURRENT APPLICATION NUMBER: US/10/667,022
CURRENT FILING DATE: 2003-09-18
NUMBER OF SEQ ID NOS: 147

SEQ ID NO 82
LENGTH: 20
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            Length 20;
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0.4%; Score 20; DB 1; Le
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 20; Conservative 0; Mismatches 0;
       0.4%; Score 20; DB 1; Le ilarity 100.0%; Pred. No. 2.6e+02; Conservative 0; Mismatches 0;
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0.4%; Score 20; DB 1; Le
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 20; Conservative 0; Mismatches 0;
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ORGANISM: Artificial Sequence
FEATURE:
1 OTHER INFORMATION: Antisense Oligonucleotide
US-10-667-022-82
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       , OTHER INFORMATION: Antisense Oligonucleotide
US-10-667-022-81
                                                                                                   4355 TGAAAATAAGGTTTTGGGAC 4374
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Sequence 81, Application US/10667022

Publication No. US20040063657A1

GENERAL INFORMATION:
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       Query Match
Best Local Similarity
Matches 20; Conserv
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US-10-667-022-83/c
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APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUB
TITLE OF INVENTION: P150 EXPRESSION
FILE REFERENCE: RTS-0376
CURRENT APPLICATION NUMBER: US/10/667,022
CURRENT APPLICATION NUMBER: 2003-09-18
NUMBER OF SEQ ID NOS: 147
SEQ ID NO 79
LENGTH: 20
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Sequence 80, Application US/10667022

Sequence 80, Application US/10667022

Sequence 80, Application US/10667022

Sequence 80, Application US/10667022

GENERAL INFORMATION:

APPLICANT: Sementh W. Doble

TITLE OF INVENTION: PISO EXPRESSION

CURRENT PILING DATE: 2003-09-18

NUMBER OF SEQ ID NOS: 147

SEQ ID NO 80

LENGTH: 20
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0.4%; Score 20; DB 1; L
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 20; Conservative 0; Mismatches 0;
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US-10-667-022-79
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TITLE OF INVENTION: P150 EXPRESSION FILE REFERENCE: RTS-0376 CURRENT APPLICATION NUMBER: US/10/667,022 CURRENT FILING DATE: 2003-09-18 NUMBER OF SEQ ID NOS: 147 SEQ ID NOS: 120 LENGTH: 20
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ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
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Best Local Similarity 100.
Matches 20; Conservative
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Sequence 86, Application US/10667022;
Publication No. US20040063657A1
GENERAL INFORMATION:
APPLICANT: Susan M. Freier
APPLICANT: Susan M. Freier
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: P150 EXPRESSION
TITLE OF INVENTION: P150 EXPRESSION
TITLE OF INVENTION: P150 EXPRESSION
CURRENT APPLICATION NUMBER: US/10/667,022
CURRENT APPLICATION NUMBER: US/10/667,022
CURRENT FILING DATE: 2003-09-18
SEQ ID NO 86
LENGTH: 20
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Sequence 87, Application US/10667022

GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Subsam M. Freier
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUBITILE REFERENCE: RTS-0376
CURRENT APPLICATION NUMBER: US/10/667,022
CURRENT FILING DATE: 2003-09-18

NUMBER OF SEQ ID NOS: 147
SEQ ID NO 87
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0.4%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 20; Conservative 0; Mismatches 0; Indels
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                                                                        Length 20;
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                                                                      Query Match 0.4%; Score 20; DB 1; L. Best Local Similarity 100.0%; Pred. No. 2.6e+02; Matches 20; Conservative 0; Mismatches 0;
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    , OTHER INFORMATION: Antisense Oligonucleotide US-10-667-022-85
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ORGANISM: Artificial Sequence
FEATURE:
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US-10-667-022-87/c
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FEATURE:
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US-10-667-022-88/C
SQUENCE 85, Application US/10667022
SQUENCE 85, Application US/10667022
SPUBLICATION NO. US20040063657A1
GENERAL INFORMATION:
APPLICANT: Susan M. Freier
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: PLSO EXPRESSION
TITLE OF INVENTION: PLSO EXPRESSION
FILE REFERENCE: RTS-0376
CURRENT APPLICATION NUMBER: US/10/667,022
CURRENT APPLICATION NUMBER: US/10/667,022
CURRENT PILING DATE: 2003-09-18
SEQ ID NOS: 147
SEQ ID NO 85
LENGTH: 20
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APPLICANT: Susan M. Freier
APPLICANT: Susan M. Freier
APPLICANT: Susan M. Dobie
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUB-
TITLE OF INVENTION: 1910 EXPRESSION
FILE REFERENCE: RTS-0376
CURRENT APPLICATION NUMBER: US/10/667,022
CURRENT FILING DATE: 2003-09-18
NUMBER OF SEQ ID NOS: 147
SEQ ID NO 83
LENGTH: 20
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0.4%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 20; Conservative 0; Mismatches 0; Indels
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0.4%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 20; Conservative 0; Mismatches 0; Indels
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US-10-667-022-83
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ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
             GENERAL INFORMATION:
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Sequence 91, Application US/10667022

Publication No. US20040063657A1

GENERAL INFORMATION:

APPLICANT: Susan M. Freier

APPLICANT: Kenneth W. Dobie

TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUBITITLE OF INVENTION: P150 EXPRESSION

FILE REFERENCE: RTS-0376

CURRENT APPLICATION NUMBER: US/10/667,022

CURRENT FILING DATE: 2003-09-18

NUMBER OF SEQ ID NOS: 147

SEQ ID NO 91

LENGTH: 20
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Publication No. US20040063657A1

GENERAL INFORMATION:
APPLICANT: Susan M. Freier
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUBILITIES REFERENCE: RTS-0376
CURRENT APPLICATION NUMBER: US/10/667,022
CURRENT FILING DATE: 2003-09-18
NUMBER OF SEQ ID NOS: 147
LENGTH: 20
LENGTH: 20
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100.0%; Pred. No. 2.6e+02;
                                                                                                                 Query Match 0.4%; Score 20; DB Best Local Similarity 100.0%; Pred. No. 2.6 Matches 20; Conservative 0; Mismatches
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; LENGTH: 20
; TYPE: DNA
; ORGANISM: H. Bapiens
; FEATURE:
US-10-667-022-90
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CRGANISM: H. sapiens
FEATURE:
US-10-667-022-91
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Best Local Similarity
Matches 20; Conserv
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US-10-667-022-91
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US-10-667-022-92
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                               US-10-667-022-89
US-10-667-022-89
US-10-667-022-89
Sequence 89, Application US/10667022
Publication No. US20040063657A1
GENERAL INFORMATION:
APPLICANT: Kenneth W. Doble
APPLICANT: Kenneth W. Doble
TITLE OF INVENTION: P150 EXPRESSION
TITLE OF INVENTION: P150 EXPRESSION
TITLE OF LINCER: RTS-0376
CURRENT APPLICATION NUMBER: US/10/667,022
CURRENT PILING DATE: 2003-09-18
NUMBER OF SEQ ID NOS: 147
LENGTH: 20
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Sequence 90, Application US/10667022
Sequence 90, Application US/10667022
Sequence 90, Spiloation US/10667022
Sequence 90, Application US/10667022
Sequence 90, Application US/10667021
GENERAL INFORMATION:
APPLICANT: Sean M. Freier
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: P150 EXPRESSION
FILE REFERENCE: RTS-0376
CURRENT APPLICATION NUMBER: US/10/667,022
CURRENT PILING DATE: 2003-09-18
NUMBER OF SEQ ID NOS: 147
SEQ ID NO 90
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Pred. No. 2.6e+02;
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100.0%; Pred. No. ...
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US-10-667-022-88
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Best Local Similarity
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FEATURE:
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Matches 20; Conserv
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GENERAL INFORMATION:
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FULL APPLICANT: Suban M. Freier:
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: PL50 EXPRESSION
TITLE OF INVENTION: PL50 EXPRESSION
TITLE DEPERENCE: RTS-0376
CURRENT APPLICATION NUMBER: US/10/667,022
CURRENT FILING DATE: 2003-09-18
NUMBER: OF SEQ ID NOS: 147
LENGTH: 20
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; Sequence 97, Application US/10667022
; Publication No. US20040063557A1
; GENERAL INFORMATION:
APPLICANT: Susan M. Freier
APPLICANT: Kenneth W. Dobie
1TPLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUBTITLE OF INVENTION: P150 EXPRESSION
TITLE OF INVENTION: P150 EXPRESSION
TITLE OF INVENTION: P150 EXPRESSION
CURRENT APPLICATION NUMBER: US/10/667,022
CURRENT FILING DATE: 2003-09-18
; NUMBER OF SEQ ID NOS: 147
; SEQ ID NO 97
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100.0%; Pred. No. 2.6e+02;
cive 0; Mismatches 0; Indels
                                                                                                        0.4%; Score 20; DB 1; Length 20; 100.0%; Pred. No. 2.6e+02; Ve 0; Mismatches 0; Indels
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                                                                                                               Query Match 0.4%; Score 20; DB Best Local Similarity 100.0%; Pred. No. 2.6 Matches '20; Conservative 0; Mismatches
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ORGANISM: H. sapiens
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ORGANISM: H. sapiens
TYPE: DNA
ORGANISM: H. sapiens
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Best Local Similarity
Matches 20; Conserv
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US-10-667-022-96
                                                                 US-10-667-022-95
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                                             FEATURE
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Publication No. US20040063657A1
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Senaeth W. Dobie
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUBTITUE OF INVENTION: PLSO EXPRESSION
FILE REFERENCE: RTS-0376
CURRENT APPLICATION NUMBER: US/10/667,022
CURRENT FILING DATE: 2003-09-18
NUMBER OF SEQ ID NOS: 147
SEQ ID NO 95
LENGTH: 20
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Sequence 94, Application US/10667022
Publication No. US20040063657A1
GENERAL INFORMATION:
APPLICANT: Susan M. Freier
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUE
TITLE OF INVENTION: P150 EXPRESSION
FILE REFRENCE: RTS-0376
CURRENT APPLICATION NUMBER: US/10/667,022
CURRENT FILING DATE: 2003-09-18
                                                                                                               APPLICANT: Susan M. Freier
APPLICANT: Susan M. Freier
APPLICANT: Stenach W. Dobie
APPLICANT: Kenneth W. Dobie
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: P150 EXPRESSION
FILE REPRENCE: RTS-0376
CURRENT APPLICATION NUMBER: US/10/667,022
CURRENT APPLICATION NUMBER: 203-09-18
NUMBER OF SEQ ID NOS: 147
LENGTH: 20
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0.4%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 20; Conservative 0; Mismatches 0; Indels
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                          US-10-667-022-93
; Sequence 93, Application US/10667022
; Publication No. US20040063657A1
; GENERAL INFORMATION:
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Best Local Similarity 100.
Matches 20; Conservative
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ORGANISM: H. sapiens
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US-10-667-022-94
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Sequence 101, Application US/10667022
Publication No. US20040063657A1
GENERAL INFORMATION:
APPLICANT: Susan M. Freier
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUBI
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Publication No. US20040063657A1

GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Susan M. Freier
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUBITILE OF INVENTION: APS.0376
CURRENT APPLICATION NUMBER: US/10/667,022
CURRENT PILING DATE: 2003-09-18
NUMBER OF SEQ ID NOS: 147

SEQ ID NO 102
LENGTH: 20
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Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 20; Conservative 0; Mismatches 0;
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CURRENT FILING DATE: 2003-09-18
NUMBER OF SEQ ID NOS: 147
SEQ ID NO 101
LENGTH: 20
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Best Local Similarity 100.0
Matches 20; Conservative
      , ORGANISM: H. sapiens
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ORGANISM: H. sapiens
FEATURE:
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FEATURE:
                                                                   US-10-667-022-100
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US-10-667-022-103
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US-10-667-022-99
is Sequence 99, Application US/10667022
is Publication No. USZ0040063657A1
general information:
general information:
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Publication No. US20040063657A1
GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Seans M. Freier
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUE
FILE REFERENCE: RTS-0376
CURRENT APPLICATION NUMBER: US/10/667,022
CURRENT FILING DATE: 2003-09-18
NUMBER OF SEQ ID NOS: 147
LENGTH: 20
                       Sequence 98, Application US/10667022
; Publication No. US20040063657A1
; APPLICANT: Susan M. Freier
; APPLICANT: Kenneth W. Dobie
; TITLE OF INVENTION: P150 EXPRESSION
; TITLE OF INVENTION: P150 EXPRESSION
; FILE REPERENCE: RTS-0376
; CURRENT APPLICATION NUMBER: US/10/667,022
; CURRENT FILING DATE: 2003-09-18
; NUMBER OF SEQ ID NOS: 147
; SEQ ID NO 98
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100.0%; Pred.No. 2.68+02;
tive 0; Mismatches 0; Indels
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Best Local Similarity 100.0
Matches 20; Conservative
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Best Local Similarity 100.(
Matches 20; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: DNA
ORGANISM: H. sapiens
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US-10-667-022-100
US-10-667-022-98
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US-10-667-022-106

US-10-667-022-106

Sequence 106, Application US/10667022

Publication No. US20040063657A1

Sequence 106 December 10 Dec
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| Bedience 107, Application US/106357A1
| Publication No. US20040063657A1
| Publication No. US20040063657A1
| GENERAL INFORMATION:
| APPLICANT: Susan M. Freier
| APPLICANT: Kenneth W. Dobie
| TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUBITILE OF INVENTION: B150 EXPRESSION
| FILE REFERENCE: RTS-0376
| CURRENT APPLICATION UNMBER: US/10/667,022
| CURRENT FILING DATE: 2003-09-18
| NUMBER OF SEQ ID NOS: 147
| SEQ ID NO 107
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100.0%; Pred. No. 2.6e+02;
tive 0; Mismatches 0; Indels
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2.6e+02;
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                                                                                                     Query Match 0.4%; Score 20; DB Best Local Similarity 100.0%; Pred. No. 2.6 Matches 20; Conservative 0; Mismatches
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US-10-667-022-108
; Sequence 108, Application US/10667022
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ORGANISM: H. sapiens
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Best Local Similarity
Matches 20; Conserv
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                 ; FEATURE:
US-10-667-022-105
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US-10-67-022-105
Sequence 105, Application US/10667022
Fublication No. US20040063657A1
GENERAL INFORMATION:
APPLICANT: Stean M. Freier
TITLE OF INVENTION: P150 EXPRESSION
FILE REFRENCE: RTS-0376
FILE REPERENCE: RTS-0376
CURRENT APPLICATION NUMBER: US/10/667,022
CURRENT FILING DATE: 2003-09-18
NUMBER OF SEQ ID NOS: 147
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 104, Application US/10667022
Publication No. US20040063657A1
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Stanan M. Freier
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUBTITLE OF INVENTION: APPLICANT:
TITLE REPRESENCE: RTS-0376
CURRENT APPLICATION NUMBER: US/10/667,022
CURRENT FILING DATE: 2003-09-18
NUMBER OF SEQ ID NOS: 147
SEQ ID NO 104
LENGTH: 20
Sequence 103, Application US/10667022

Publication No. US20040063657A1

GENERAL INFORMATION:
GENERAL INFORMATION:
TAPPLICANT: Suban M. Preier
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUB-
TITLE OF INVENTION: P150 EXPRESSION
FILE REFERENCE: RTS-0376
CURRENT APPLICATION NUMBER: US/10/667,022
CURRENT FILING DATE: 2003-09-18
NUMBER OF SEQ ID NOS: 147
SEQ ID NO 103
LENGTH: 20
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iive 0; Mismatches 0;
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Matches 20; Conservative
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ORGANISM: H. sapiens
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ORGANISM: H. sapiens
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US-10-667-022-104
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LENGTH: 20
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Sequence 111, Application US/10667022
; Sequence 111, Application US.04063657A1
; Sequence 111, Application No. US20040063657A1
; GENERAL INFORMATION:
; APPLICANT: Stean M. Freier
; APPLICANT: Kenneth W. Dobie
; TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, RECULATORY GUBI
; TITLE OF INVENTION: P150 EXPRESSION
; FILE REFERENCE: RTS-0376
; CURRENT APPLICATION UMBER: US/10/667,022
; CURRENT FILING DATE: 2003-09-18
; NUMBER OF SEQ ID NOS: 147
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Publication No. US20040063657A1

GENERAL INFORMATION:
APPLICANT: Susan M. Freier

APPLICANT: Kenneth W. Dobie

TITLE OF INVENTION: P150 EXPRESSION

TITLE OF INVENTION: P150 EXPRESSION

FILE REFERENCE: R15-0376

CURRENT APPLICATION NUMBER: US/10/667,022

CURRENT FILING DATE: 2003-09-18

NUMBER OF SEQ ID NOS: 147

LENGTH: 20
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2.6e+02;
thes 0;
                                                   Query Match
0.4%; Score 20; DB 1; Le
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 20; Conservative 0; Mismatches 0;
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0.4%; Score 20; DB 1; Le
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 20; Conservative 0; Mismatches 0;
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0.4%; Score 20; DB
Best Local Similarity 100.0%; Pred. No. 2.6
Matches 20; Conservative 0; Mismatches
                                                                                                                                                1706 CTGTTATAACATCCTGCCTA 1725
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; Publication No. US20040063657A1
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ORGANISM: H. sapiens
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ORGANISM: H. sapiens
FEATURE:
         US-10-667-022-110
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US-10-667-022-113
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LENGTH: 20
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                                            APPLICANT: Susan M. Freier
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUSTITLE OF INVENTION: P150 EXPRESSION
FILE REPERENCE: RTS-0376
CURRENT APPLICATION NUMBER: US/10/667,022
CURRENT PILING DATE: 2003-09-18
NUMBER OF SEQ ID NOS: 147
LENGTH: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 109, Application US/10667022
Publication No. US20040063657A1
GENERAL INFORMATION:
APPLICANT: Susan M. Freier
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUB-
TITLE OF INVENTION: PLSO EXPRESSION
FILE REPERENCE: RTS-0376
CURRENT APPLICATION NUMBER: US/10/667,022
CURRENT PILING DATE: 2003-09-18
SEQ ID NO 109
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Publication No. US20040063657A1
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Susan M. Freier
APPLICANT: Susan M. Freier
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUBTITLE OF INVENTION: PISO EXPRESSION
FILLE REPERENCE: RTG-0376
CURRENT APPLICATION NUMBER: US/10/667,022
CURRENT FILLING DATE: 2003-09-18
NUMBER OF SEQ ID NOS: 147
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Publication No. US20040063657A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                     TYPE: DNA
ORGANISM: H. sapiens
FEATURE:
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ORGANISM: H. sapiens
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ORGANISM: H. sapiens
FEATURE:
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US-10-667-022-110
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RESULT 378

US-10-667-022-116

US-10-667-022-116

Sequence 116, Application US/10667022

Publication No. US200040063657A1

GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Susan M. Freier

APPLICANT: Kenneth W. Dobie

TITLE OF INVENTION: P150 EXPRESSION
FITLE OF INVENTION: P150 EXPRESSION
FILE REFERENCE: RTS-0376

CURRENT APLICATION NUMBER: US/10/667,022

CURRENT PILING DATE: 2003-09-18

NUMBER OF SEQ ID NOS: 147

SEQUENCE OF THE OF TH
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Sequence 117, Application US/10667022

Publication No. US20040063657A1

GENERAL INFORMATION:

APPLICANT: Susan M. Freier

APPLICANT: Kenneth W. Dobie

TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUBI

TITLE OF INVENTION: P150 EXPRESSION

FILE REFERENCE: RTS-0376

CURRENT APPLICATION NUMBER: US/10/667,022

CURRENT PILING DATE: 2003-09-18

NUMBER OF SEQ ID NOS: 147

SEQ ID NO 117

LENGHH: 20
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0.4%; Score 20; DB 1; Length 20; 100.0%; Pred. No. 2.6e+02; tive 0; Mismatches 0; Indels
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US-10-667-022-118

Sequence 118, Application US/10667022

Publication No. US20040063657A1

GENERAL INFORMATION:
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                                                                                                                                                2391 TGGCTGGCAAAGCTCCTCAA 2410
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              Query Match 0.4%
Best Local Similarity 100.0
Matches 20; Conservative
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ORGANISM: H. sapiens
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Sequence 115, Application No. US20040063657A1
GENERAL INFORMATION:
APPLICANT: Susan M. Freier
APPLICANT: Susan M. Preier
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUF
TITLE OF INVENTION: P150 EXPRESSION
TITLE OF INVENTION: P150 EXPRESSION
TITLE OF PLANTA APPLICANTON NUMBER: US/10/667,022
CURRENT APPLICANTON NUMBER: US/10/667,022
CURRENT FILING DATE: 2003-09-18
NUMBER OF SEQ ID NOS: 147
SEQ ID NO 115
LEMOTHER.
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Publication No. US20040063657A1
GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
Trib of INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUBTILLE OF INVENTION: PL50 EXPRESSION
FILE REFERENCE: RT5-0376
CURRENT APPLICATION NUMBER: US/10/667,022
CURRENT FILING DATE: 2003-09-18
NUMBER OF SEQ ID NOS: 147
SEQ ID NO 114
   APPLICANT: Susan M. Freier
APPLICANT: Susan M. Preier
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUB-
TITLE OF INVENTION: P150 EXPRESSION
FILE REFERENCE: RTS-0376
CURRENT APPLICATION NUMBER: US/10/667,022
CURRENT APPLICATION NUMBER: US/203-09-18
NUMBER OF SEQ ID NOS: 147
SEQ ID NOS: 147
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0.4%; Score 20; DB 1; Lé
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 20; Conservative 0; Mismatches 0;
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ORGANISM: H. sapiens
                                                                                                                                                                                                                                                                                                                                                                               TYPE: DNA
ORGANISM: H. sapiens
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US-10-667-022-115
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US-10-667-022-115
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Sequence 121, Application US/10667022
Publication No. US20040063657A1
GENERAL INFORMATION:
APPLICANT: Susan M. Ereier
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUBITILE REPERENCE: RTS-0376
CURRENT APPLICATION NUMBER: US/10/667,022
CURRENT APPLICATION NUMBER: US/10/667,022
NUMBER OF SEQ ID NOS: 147
SEQ ID NO 121
LENGTH: 20
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Publication No. US20040063657A1

GENERAL INFORMATION:

APPLICANT: Susan M. Freier

APPLICANT: Susan M. Freier

TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUBILITIES OF INVENTION: P150 EXPRESSION
FILE REFERENCE: RTS-0376

CURRENT APPLICATION NUMBER: US/10/667,022

CURRENT FILING DATE: 2003-09-18

NUMBER OF SEQ ID NOS: 147

LENGTH: 20
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         Query Match 0.4%; Score 20; DB 1; Length 20; Best Local Similarity 100.0%; Pred. No. 2.6e+02; Matches 20; Conservative 0; Mismatches 0; Indels
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0.4%; Score 20; DB 1; Lv
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 20; Conservative 0; Mismatches 0;
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100.0%; Pred. No.
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                                                                                                   2731 GAACCAGTAAGTCGTTCTAT 2750
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Best Local Similarity 100.0
Matches 20; Conservative
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; ORGANISM: H. sapiens
; FEATURE:
US-10-667-022-122
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US-10-667-022-122
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US-10-667-022-121
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APPLICANT: Susan M. Freier
APPLICANT: Kenneth W. Doble
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUE
TITLE OF INVENTION: P150 BERRESSION
FILE REFERENCE: RTS-0376
CURRENT APPLICATION NUMBER: US/10/667,022
CURRENT APPLICATION 1915
SEQ ID NOS: 147
LENGTH: 20
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APPLICANT: Susan M. Freier
APPLICANT: Kenneth M. Dobie
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUSTITE OF INVENTION: P150 EXPRESSION
FILE REFERENCE: RTS-0376
CURRENT APPLICATION NUMBER: US/10/667,022
CURRENT FILING DATE: 2003-09-18
NUMBER OF SEQ ID NOS: 147
SEQ ID NO 119
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1 Sequence 120, Application US/10667022

1 Sequence 120, Application US/10667022

2 Fublication No. US2004006657A1

3 GENERAL INFORMATION:

4 APPLICANT: Susan M. Freier

5 APPLICANT: Susan M. Freier

5 APPLICANT: Kenneth W. Dobie

7 TITLE OF INVENTION: PISO EXPRESSION

7 TITLE OF INVENTION: PISO EXPRESSION

8 FILE REFRENCE: RTS-0376

7 CURRENT APPLICATION NUMBER: US/10/667,022

7 CURRENT FILING DATE: 2003-09-18

8 SEQ ID NO 120
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0. 2.6e+02;
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2.6e+02;
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ORGANISM: H. sapiens
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ORGANISM: H. sapiens
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US-10-667-022-119
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Sequence 126, Application US/10667022
Publication No. US2040063657A1
Publication No. US2040063657A1
Publication No. US2040063657A1
APPLICANT: Sunan M. Freier
APPLICANT: Sunan M. Dobie
TITLE OF INVENTION: ANTIERNER MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUBLITILE OF INVENTION: P150 EXPRESSION
FILE REFERENCE: RTS-0376
CURRENT APPLICATION NUMBER: US/10/667,022
CURRENT FILING DATE: 2003-09-18
NUMBER OF SEQ ID NOS: 147
SEQ ID NO 126
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US-10-667-022-127

US-10-667-022-127

Sequence 127, Application US/10667022

Publication No. US20040063657A1

GENERAL INFORMATION:

APPLICANT: Suban M. Preier

APPLICANT: Nemach W. Dobie

TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUBATION: PLO EXPRENSION

TITLE OF INVENTION: NUMBER: US/10/667,022

CURRENT APPLICATION NUMBER: US/10/667,022

CURRENT FILING DATE: 2003-09-18

NUMBER OF SEQ ID NOS: 147

SEQ ID NO 127

LENGTH: 20
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Pred. No. 2.6e+02;
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Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 20; Conservative 0; Mismatches 0;
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US-10-667-022-128
US-10-667-022-128
Sequence 128, Application US/10667022
Publication No. US20040063657A1
GENERAL INFORMATION:
APPLICANT: Susan M. Freier
APPLICANT: Kenneth W. Dobie
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ORGANISM: H. sapiens
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ORGANISM: H. sapiens
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Best Local Similarity
Matches 20; Conserv
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**Publication No. US20040063657A1

**GENERAL INFORMATION:

**APPLICANT: Susan M. Freier

**APPLICANT: Kenneth W. Dobie

**TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUBTILE OF INVENTION: P150 EXPRESSION

**TITLE OF INVENTION: P150 EXPRESSION

**TITLE OF INVENTION: NUMBER: US/10/667,022

**CURRENT PILING DATE: 2003-09-18

**NUMBER OF SEQ ID NOS: 147

**SEQ ID NO 125

**LENGTH: 20
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Security Application US/10667022
Publication No. US20040063657A1
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Susan M. Freier
APPLICANT: Susan M. Freier
APPLICANT: Renneth W. Dobie
TITLE OF INVENTION: ANTIGENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUBTITLE OF INVENTION: P150 EXPRESSION
FILE REPERENCE: RTS-0376
CURRENT APPLICATION NUMBER: US/10/667,022
CURRENT APPLICATION NUMBER: US/10/667,022
CURRENT FILING DATE: 2003-09-18
NUMBER OF SEQ ID NOS: 147
SEQ ID NO 124
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUB-
TITLE OF INVENTION: P150 EXPRESSION
TITLE OF INVENTION: P150 EXPRESSION
TITLE OF INVENTION: P150 EXPRESSION
CURRENT APPLICATION NUMBER: US/10/667,022
CURRENT APPLICATION NUMBER: 2003-09-18
TUMBER OF SEQ ID NOS: 147
SEQ ID NO 123
LENGTH: 20
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100.0%; Pred. No. 2.6e+02;
tive 0; Mismatches 0; Indels
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Pred. No. 2.6e+02;
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Best Local Similarity 100.0
Matches 20; Conservative
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ORGANISM: H. sapiens
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US-10-667-022-124
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US-10-667-022-124
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Sequence 131, Application US/10667022

Sequence 131, Application US/10667022

GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Susan M. Freier
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUBITITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUBITITLE OF INVENTION: AND SECOND NUMBER: US/10/667,022
CURRENT APPLICATION NUMBER: US/10/667,022
CURRENT FILING DATE: 2003-09-18
NUMBER OF SECOND NOS: 147

SEQ ID NO 131

LENGTH: 20
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Publication No. US20040063657A1

GENERAL INFORMATION:
GENERAL INFORMATION:
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINAȘE, REGULATORY GUBI
TITLE OF INVENTION: P150 EXPRESSION
FILE REFERENCE: RTS-0376
CURRENT APPLICATION NUMBER: US/10/667,022
CURRENT PILING DATE: 2003-09-18
NUMBER OF SEQ ID NOS: 147

LENGTH: 20

LENGTH: 20
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Publication No. US20040063657A1;
GENERAL INFORMATION:
APPLICATT: USBARD M. Freier;
APPLICANT: Kenneth W. Dobie;
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUBI
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100.0%; Pred. No. 2.6e+02;
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2.6e+02;
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Best Local Similarity 100.
Matches 20; Conservative
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Matches 20; Conservative
      20; Conservative
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ORGANISM: H. sapiens
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ORGANISM: H. sapiens
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US-10-667-022-133
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US-10-667-022-132
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US-10-667-022-131
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        Matches
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Publication No. US20040063657A1

GENERAL INFORMATION:

APPLICANT: Susan W. Freier

APPLICANT: Susan W. Dobie

TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUB-
FILE REFERENCE: RTS-0376

CURRENT APPLICATION NUMBER: US/10/667,022

CURRENT PILING DATE: 2003-09-18

NUMBER OF SEQ ID NOS: 147
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUBTITLE OF INVENTION: P150 EXPRESSION
FILE REPRENCE: RTS-0376
CURRENT APPLICATION NUMBER: US/10/667,022
CURRENT FILING DATE: 2003-09-18
NUMBER OF SEQ ID NOS: 147
SEQ ID NO 128
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Publication No. US20040063657A1
GENERAL INFORMATION:
APPLICANT: Susan M. Freier
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: P150 EXPRESSION
FILE REFERENCE: RTS-0376
CURRENT APPLICATION NUMBER: US/10/667,022
CURRENT APPLICATION NUMBER: 2003-09-18
NUMBER OF SEQ ID NOS: 147
SEQ ID NO 129
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100.0%; Pred. No. 2.6e+02;
iive 0; Mismatches 0; Indels
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100.0%; Pred. No. 2.6e+02;
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Matches 20; Conservative
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ORGANISM: H. sapiens
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ORGANISM: H. sapiens
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ORGANISM: H. sapiens
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Best Local Similarity
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Matches 20; Conserv
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US-10-667-022-130
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US-10-667-022-129
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W3-10-667-022-136

Sequence 136, Application US/10667022

Sequence 136, Application US/10667022

Publication No. US20040063657A1

GENERAL INFORMATION:

APPLICANT: Susan M. Freier

APPLICANT: Kenneth W. Dobie

TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUBITILE OF INVENTION: P150 EXPRESSION

FILE REFERENCE: RTS-0376

CURRENT APPLICATION UNMBER: US/10/667,022

CURRENT APPLICATION UNMBER: 2003-09-18

NUMBER OF SEQ ID NOS: 147

SEQ ID NO 136
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JEAUGACT-022-137

SEQUENCE 137, Application US/10667022

Publication No. US20040063657A1

GENERAL INFORMATION:

APPLICANT: SUBBERT NOT ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUBBERTICE OF INVENTION: P150 EXPRESSION

TITLE OF INVENTION: P150 EXPRESSION

FILE REFERENCE: RTS-0376

CURRENT APPLICATION NUMBER: US/10/667,022

CURRENT FILING DATE: 2003-09-18

NUMBER OF SEQ ID NOS: 147

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US-10-67-022-138
SQUENCE 138, Application US/10667022
SPUDICATION NO. US20040063657A1
GENERAL INFORMATION:
APPLICANT: SHEAD M. Freier
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUB:
TITLE OF INVENTION: P150 EXPRESSION
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0.4%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 20; Conservative 0; Mismatches 0; Indels
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Pred. No. 2.6e+02;
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                    3762 TGTCCAGCTTCTTGGAATTG 3781
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Best Local Similarity
Matches 20; Conserval
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ORGANISM: H. sapiens
FEATURE:
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Publication No. US20040063657A1
GENERAL INFORMATION:
APPLICANT: Susan M. Freier
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUBTILE OF INVENTION: P150 EXPRESSION
TITLE OF INVENTION: P150 EXPRESSION
CURRENT APPLICATION NUMBER: US/10/667,022
CURRENT FILING DATE: 2003-09-18
NUMBER OF SEQ ID NOS: 147
SEQ ID NO 135
LENGTH: 20
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; Publication No. US2004006367A1
; GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Susan M. Freier
APPLICANT: Susan M. Freier
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUB-
TITLE OF INVENTION: 19150 EXPRESSION
FILE REFERENCE: RTS-0376
CURRENT APPLICATION NUMBER: US/10/667,022
CURRENT FILING DATE: 2003-09-18
SEQ ID NO 134
LENGTH: 20
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0.4%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 20; Conservative 0; Mismatches 0; Indels
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100.0%; Pred. No. ...
0; Mismatches
TITLE OF INVENTION: P150 EXPRESSION FILE REPERENCE: PTS-0376 CURRENT APPLICATION NUMBER: US/10/667,022 CURRENT FILING DATE: 2003-09-18 NUMBER OF SEQ ID NOS: 147 SEQ ID NO 133 LENGTH: 20
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Matches 20; Conservative
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ORGANISM: H. sapiens
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ORGANISM: H. sapiens
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Sequence 141. Application US/10667022
Publication No. US20040063657A1
GENERAL INFORMATION:
APPLICANT: Susan M. Freier
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUBI
TITLE OF INVENTION: PLSO EXPRESSION
FILE REFERENCE: RTS-0376
CURRENT APPLICATION NUMBER: US/10/667,022
CURRENT FILING DATE: 2003-09-18
NUMBER OF SEQ ID NOS: 147
LENGTH: 20
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Publication No. US20040063657A1

GENERAL INFORMATION:
APPLICANT: Susan M. Freier
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY GUBI
TITLE OF INVENTION: P150 EXPRESSION
FILE REFERENCE: RTS-0376
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2.6e+02;
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0.4%; Score 20; DB
Best Local Similarity 100.0%; Pred. No. 2.6
Matches 20; Conservative 0; Mismatches
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         4309 AGTCCTGCAGATGGAAATCC 4328
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ORGANISM: H. sapiens
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FEATURE:
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US-10-667-022-140
is Sequence 140, Application US/10667022
j Publication No. US20040063657A1
j GENERAL INFORMATION:
j Thiritie OF INVENTION:
j TITLE OF INVENTION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 139, Application US/10667022
Publication No. US20040063657A1
GENERAL INFORMATION:
APPLICANT: Susan M. Freier
TITLE OF INVENTION: APPLICANTION:
TITLE OF INVENTION: PISO EXPRESSION
FILE REFERENCE: RTS-0376
CURRENT APPLICATION NUMBER: US/10/667,022
CURRENT PILING DATE: 2003-09-18
SEQ ID NO 139
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100.0%; Pred. No. 2.6e+02;
tive 0; Mismatches 0; Indels
FILE REFERENCE: RTS-0376
CURRENT APPLICATION NUMBER: US/10/667,022
CURRENT FILING DATE: 2003-09-18
NUMBER OF SEQ ID NOS: 147
SEQ ID NO 138
LENGTH: 20
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Best Local Similarity 100.0
Matches 20; Conservative
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Best Local Similarity 100.(
Matches 20; Conservative
                                                                                                                                                                                           TYPE: DNA
ORGANISM: H. sapiens
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ORGANISM: H. sapiens
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ORGANISM: H. sapiens
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US-10-667-022-139
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Sequence 146, Application US/10667022

Publication No. US2004063657A1

GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Steneth W. Dobie
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUBLITILE OF INVENTION:
APPLICANTION:
APPLICANTION:
APISTER REPRESCION
FILE REFERENCE: RTS-0376
CURRENT APPLICATION NUMBER: US/10/667,022
CURRENT PILING DATE: 2003-09-18
NUMBER OF SEQ ID NOS: 147

SEQ ID NO 146
LENGTH: 20
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Sequence 147, Application US/10667022

Sequence 147, Application US/10667022

Publication No. US20040063657A1

GENERAL INFORMATION:

APPLICANT: Susan M. Freier

APPLICANT: Kenneth W. Dobie

TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUBITITE OF INVENTION: PLSO EXPRESSION

FILE REFERENCE: RIS-0376

CURRENT APPLICATION UNMER: US/10/667,022

CURRENT FILING DATE: 2003-09-18

NUMBER OF SEQ ID NOS: 147

TANGENT OF APPLICATION UNDER: US/10/677.022
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Publication No. US20040229828A1
GENERAL INFORMATION:
APPLICANT: VALLLANT, ANDREW
APPLICANT: UNICLANT, DATE ANTIVIRAL OLIGONUCLEOTIDES TARGETING RSV
TITLE OF INVENTION: ANTIVIRAL OLIGONUCLEOTIDES TARGETING RSV
FILE REFERENCE: 029849/0205
CURRENT APPLICATION NUMBER: US/10/661,415
CURRENT FILING DATE: 2003-09-12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match 0.4%; Score 20; DB 1; Length 20; Best Local Similarity 100.0%; Pred. No. 2.6e+02; Matches 20; Conservative 0; Mismatches 0; Indels
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100.0%; Pred. No. 2.6e+02;
iive 0; Mismatches 0;
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1 CTGACTAAATGACCCCAAA 20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ORGANISM: H. sapiens
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Publication No. US20040063657A1

GENERAL INFORMATION:
APPLICANT: Rean M. Freier
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUF
TITLE OF INVENTION: APPLICATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUF
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUF
TITLE OF INVENTION: ANTISENSE WOODLATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUF
TITLE OF INVENTION: ANTISENSE WOODLATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUF
TITLE OF INVENTION: ANTISENSE WOODLATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUF
TITLE REPRESENCE: 2003-09-18

TITLE REPRESENCE: 2003-09-18

TITLE OF INVENTION: ANTISENSE WOODLATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUF
TITLE OF INVENTION: ANTISENSE WOODLATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUF
TITLE OF INVENTION: ANTISENSE WOODLATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUF
TITLE OF INVENTION: ANTISENSE WOODLATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUF
TITLE OF INVENTION: ANTISENSE WOODLATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUF
TITLE OF INVENTION: ANTISENSE WOODLATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUF
TITLE OF INVENTION: ANTISENSE WOODLATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUF
TITLE OF INVENTION: ANTISENSE WOODLATORY SUF
TITLE OF INVENTION: ANTISENSE WOODLATORY SUF
TITLE OF INVENTION: ANTISENSE WOODLATORY SUF
TITLE OF INVENTION WOODLATORY SUFFICIENT SUFF
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APPLICANT: Susan M. Freier
APPLICANT: Susan M. Preier
APPLICANT: Susan M. Dobie
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUE
TITLE OF INVENTION: P150 EXPRESSION
FILE REPRENCE: RTS-0376
CURRENT APPLICATION NUMBER: US/10/667,022
CURRENT FILING DATE: 2003-09-18
NUMBER OF SEQ ID NOS: 147
SEQ ID NO 145
LENGTH: 20
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                                                                                                                                                                                                                                                                                                                                         Query Match 0.4%; Score 20; DB 1; Length 20; Best Local Similarity 100.0%; Pred. No. 2.6e+02; Matches 20; Conservative 0; Mismatches 0; Indels
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             CURRENT APPLICATION NUMBER: US/10/667,022 CURRENT FILING DATE: 2003-09-18 NUMBER OF SEQ ID NOS: 147 SEQ ID NO 143
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; Sequence 145, Application US/10667022
; Publication No. US20040063657A1
; GENERAL INFORMATION:
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ORGANISM: H. sapiens
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ORGANISM: H. sapiens
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nes 20; Conserva
                                                                                                                                                                                       TYPE: DNA
ORGANISM: H. sapiens
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US-10-667-022-144
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US-10-667-022-144
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Best Local S:
Matches 20
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4776 CTGACTAAATGACACCCAAA 4795

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FILE REFERENCE: C1037/7013 (HCL/MAT)
CURRENT APPLICATION NUMBER: US/10/831,778
CURRENT FILING DATE: 2004-04-23
FRIOR APPLICATION NUMBER: US 60/179,991
FRIOR FILING DATE: 2000-02-03
NUMBER OF SEQ ID NOS: 1093
SOFTWARE: PastSEQ for Windows Version 3.0
SEQ ID NO 226
LENGTH: 20
                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: DNA ORGANISM: Artificial Sequence
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| Publication No. US20040229828A1
| Publication No. US20040229828A1
| GENERAL INFORMATION:
| APPLICANT: VAILLANT, ANDREW
| APPLICANT: JUTEAU, JEAN-WARC
| TITLE OP INVENTION: ANTIVIRAL OLIGONUCLEOTIDES TARGETING RSV
| FILE REPERENCE: 029849/0205
| CURRENT APPLICATION NUMBER: US/10/661,415
| CURRENT PILING DATE: 2003-09-13
| PRIOR APPLICATION NUMBER: 60/430,934
| PRIOR PILING DATE: 2002-12-06
| PRIOR APPLICATION NUMBER: 60/410,264
| PRIOR PILING DATE: 2002-13-06
| PRIOR APPLICATION NUMBER: 60/410,264
| PRIOR PILING DATE: 2002-13-06
| WUMBER OF SEC OD NOS: 36
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Sequence 226, Application US/10831778

FUBLICALION NO. US20040235774A1

GENERAL INFORMATION:

APPLICANT: Bratzler, Robert L.

APPLICANT: Petersen, Deanna M.

APPLICANT: Pouron, Yves

TITLE OF INVENTION: Immunostimulatory Nucleic Acids for the TITLE OF INVENTION Nucleic Acids for the TITLE OF INVENTION Nucleic Acids for the TITLE Acids for the 
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0.4%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 20; Conservative 0; Mismatches 0; Indels
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100.0%; Pred. No. 2.68+02;
ive 0; Mismatches 0; Indels
PRIOR APPLICATION NUMBER: PCT/IB03/04573
PRIOR FILING DATE: 2003-09-11
PRIOR PLING DATE: 2003-09-11
PRIOR PILING DATE: 2002-12-05
PRIOR PILING DATE: 2002-12-05
PRIOR APPLICATION NUMBER: 60/410,264
PRIOR FILING DATE: 2002-09-13
NUMBER OF SEQ ID NOS: 36
SOFTWARE: Patentin Ver. 3.2
LENGTH: 20
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ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
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Best Local Similarity 100.(
Matches 20; Conservative
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US-10-661-415-15/c
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LENGTH: 20
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                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 556, Application US/10831778
; Sequence 556, Application US/10831778
; Publication No. US20040235774A1
; GENERAL INFORMATION:
; APPLICANT: Bratzler, Robert L.
; APPLICANT: Petersen, Deanna M.
; APPLICANT: Petersen, Deanna M.
; APPLICANT: Pouron, Yvee
; TITLE OF INVENTION: Immunostimulatory Nucleic Acids for the
; TITLE OF INVENTION: Immunostimulatory Nucleic Acids for the
; TITLE OF INVENTION: Immunostimulatory Nucleic Acids for the
; TITLE OF INVENTION: Treatment of Asthma and Allergy
; FILE REFERENCE: C1037/7013 (HCL/MAT)
; CURRENT APPLICATION NUMBER: US/10/831,778
; CURRENT FILING DATE: 2000-02-03
; NUMBER OF SEQ ID NOS: 1093
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 556
; LENGTH: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 560, Application US/10811778
; Sequence 560, Application US/10811778
; Publication No. US20040235774A1
; GENERAL INFORMATION:
; APPLICANT: Bratzler, Robert L.
; APPLICANT: Petersen, Deanna M.
; TITLE OF INVENTION: Immunostimulatory Nucleic Acids for the
; TITLE OF INVENTION: Treatment of Asthma and Allergy
; FILE REFERENCE: C1037/7013 (HCL/MAT)
; CURRENT APPLICATION NUMBER: US/10/831,778
; CURRENT FILING DATE: 2004-04-23
; PRIOR PELILNG DATE: 2000-02-03
                                                                                                                             Length 20;
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0.4%; Score 20; DB 1; L
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 20; Conservative 0; Mismatches 0;
                                                                                                                    Query Match 0.4%; Score 20; DB Best Local Similarity 100.0%; Pred. No. 2.6 Matches 20; Conservative 0; Mismatches
FEATURE:

COTHER INFORMATION: Synthetic Sequence
US-10-831-778-226
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ORGANISM: Artificial Sequence
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NAME/KEY: modified_base
LOCATION: (15)
OTHER INFORMATION: LNA monomer
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Publication No. US20050053942A1
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: JACOBSEN, NAWA
TITLE OF INVENTION: METHOR ENQUENCE
FILE REFERENCE: 57764 (71994)
CURRENT PELLON NUMBER: US/10/601,140A
CURRENT PILING DATE: 2003-06-20
PRIOR APPLICATION NUMBER: US 60/390,928
PRIOR APPLICATION NUMBER: US 60/390,928
PRIOR FILING DATE: 2002-06-24
NUMBER OF SEQ ID NOS: 45
SOFTWARE: Patentin Ver. 3.2
                                                                                                                                                                                                                                                                               Gaps
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Sequence 23, Application US/10728078

Sequence 23, Application US/10728078

Publication No. US20050038229A1

GENERAL INFORMATION:

APPLICANT: Lipovsek, Dasa

APPLICANT: Kuimelis, Robert G

TITLE OF INVENTION: PROTEIN SCAFFOLDS FOR ANTIBODY MIMICS

TITLE OF INVENTION: AND OTHER BINDING PROTEINS

FILE REFERENCE: 50036/021004

CURRENT APPLICATION NUMBER: US/09/688,566

PRIOR FILING DATE: 2003-12-03

PRIOR FILING DATE: 1998-12-09

PRIOR FILING DATE: 1998-12-10

PRIOR FILING DATE: 1998-12-09

PRIOR FILING DATE: 1998-12-09

PRIOR FILING DATE: 1998-12-09

PRIOR FILING DATE: 2000-02-29

**MUMBER OF SEQ ID NOS: 202

SOFTWARE: FastSEQ for Windows Version 4.0

**LENGTH::::20
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Pred. No. 2.6e+02;
                                                                                                                                                                                                                                                                               Indels
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NUMBER OF SEQ ID NOS: 1093
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 560
LENGTH: 20
                                                                                                                                                                ) OTHER INFORMATION: Synthetic Sequence US-10-831-778-560
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                                                                                             TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
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CORGANISM: Homo sapiens
US-10-728-078-23
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US-10-601-140A-1/c
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US-10-728-078-23/c
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US-10-601-140A-2/c

US-10-601-140A-2/c

Sequence 2, Application US/10601140A

Sequence 2, Application No. US20050053942A1

GENERAL INFORMATION:

APPLICANT: ALCOBEN, NANA

TITLE OF INVENTION: MCLECTIDE SEQUENCE

TITLE OF INVENTION: UNCLECTIDE SEQUENCE

TITLE OF INVENTION: UNCLECTION OF A

TITLE OF INVENTION: UNCLECTION OF A

FILE REFERENCE: 57764 (71994)

CURRENT FILING DATE: 2003-06-20

PRIOR FILING DATE: 2003-06-24

NUMBER OF SEQ ID NOS: 45

SOFTWARE: PatentIN Ver. 3.2

SEQ ID NO 2

LENGTH: 20

TENGTH: 20
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; SEQ ID NO 1

LENGTH: 20

TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Synthetic
JOTHER INFORMATION: Oligonucleotide
US-10-601-140A-1
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                                                                                                                                                                                                                       Query Match
0.4%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 20; Conservative 0; Mismatches 0; Indels
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OTHER INFORMATION: LNA monomer
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LOCATION: (13)
OTHER INFORMATION: LNA monomer
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OTHER INFORMATION: LNA monomer PRATURE:
NAME/KEY: modified_base
LOCATION: (3)
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NAME/KEX: modified_base
LOCATION: (5)
OTHER INFORMATION: LNA monomer
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OTHER INFORMATION: LNA monomer
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OTHER INFORMATION: LNA monomer
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NAME/KEY: modified_base
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US-10-601-140A-6/c

| Sequence 6, Application US/10601140A |
| Sequence 6, Application No. US20050053942A1 |
| Publication No. US20050053942A1 |
| GENERAL INFORMATION |
| APPLICANT: KAUPPINEN, SAKARI |
| APPLICANT: JACOBERN, NANA |
| TITLE OF INVENTION: WUCLEOTIDE SEQUENCE |
| FILE REPRENCE: 5776/4/11994 |
| CURRENT APPLICATION WUMBER: US/10/601,140A |
| CURRENT PILING DATE: 2003-06-20 |
| PRIOR FILING DATE: 2003-06-24 |
| NUMBER OF SEQ ID NOS: 45 |
| SOGTWARE: PatentIn Ver. 3.2 |
| SEQ ID NO S: 45 |
| LENGTH: 20
                         OTHER INFORMATION: Description of Artificial Sequence: Synthetic OTHER INFORMATION: oligonucleotide
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NAME/KEY: modified_base
LOCATION: (13)
OTHER INFORMATION: LINA MONOMER
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LOCATION: (7)
OTHER INFORMATION: LNA monomer
                                                                                            NAME/KEY: modified_base
LOCATION: (1)
OTHER INFORMATION: LNA monomer
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LOCATION: (10)
OTHER INFORMATION: LNA monomer
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LOCATION: (16)
OTHER INFORMATION: LNA monomer
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LOCATION: (19)
OTHER INFORMATION: LNA monomer
                                                                                                                                                                                                                  LOCATION: (4)
OTHER INFORMATION: LNA monomer
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OTHER INFORMATION: LNA monomer
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                                                                                                                                                                   FEATURE: NAME/KEY: modified_base
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NAME/KEY: modified base
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Fublication No. US20050053942A1
GENERAL INFORMATION:
APPLICANT: KAUPPINEN, SAKARI
APPLICANT: JACOBSEN, NANA
TITLE OF INVENTION: METHODS AND SYSTEMS FOR DETECTION AND ISOLATION OF A
TITLE OF INVENTION: NUCLEOTIDE SEQUENCE
FILE REFERENCE: 57764(71994)
CURRENT FILING DATE: 2003-06-20
PRIOR APPLICATION NUMBER: US 60/390,928
PRIOR APPLICATION NUMBER: US 60/390,928
PRIOR FILING DATE: 2002-06-24
NUMBER OF SEQ ID NOS: 45
SOFTWARE: Patentin Ver. 3.2
SEQ ID NO 3: 45
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; Sequence 4, Application US/10601140A
; Publication No. US20050053942A1
; GENERAL INFORMATION:
; APPLICANT: KAUPPINEN, SAKARI
; APPLICANT: JACOBSEN, NANA
; TITLE OF INVENTION: NUCLEOTIDE SEQUENCE
; FILE OF INVENTION: NUCLEOTIDE SEQUENCE
; FILE OF INVENTION: NUMBER: US/10/601,140A
; CURRENT PILING DATE: 2003-06-20
; PRIOR PILING DATE: 2002-06-24
; NUMBER OF SEQ ID NOS: 45
; SOFTWARE: Patentin Ver: 3.2
; SEQ ID NO S: 45
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7 OTHER INFORMATION: Description of Artificial Sequence: Synthetic
1. OTHER INFORMATION: oligonucleotide
US-10-601-140A-3
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                                                                                                                                                                                                                                         Score 20; DB 1; Length 20;
Pred. No. 2.6e+02;
                                                                                                                                                                                                                                                                                         0; Indels
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0.4%; Score 20; DB
Best Local Similarity 100.0%; Pred. No. 2.6
Matches 20; Conservative 0; Mismatches
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                                                                                          FEATURE:

NAME/KEY: modified_base

LOCATION: (19)

OTHER INFORMATION: LNA monomer
US-10-601-140A-2
                                               LOCATION: (17)
OTHER INFORMATION: LNA monomer
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                      NAME/KEY: modified_base
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US-10-601-140A-4/c
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FEATURE:
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Gaps

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Sequence 9, Application US/10601140A

Sequence 9, Application US/10601140A

Publication No. US20050053942A1

GENERAL INFORMATION:
APPLICANT: WAUPPINEN, SAKARI
APPLICANT: AACOBSEN, NARA
TITLE OF INVENTION: METHODS AND SYSTEMS FOR DETECTION AND ISOLATION OF A
TITLE OF INVENTION: NUCLECTIDE SEQUENCE
FILE REPREBNCE: 57054 (71994)
CURRENT FILING DATE: 2003-06-20
FRICK PILING DATE: 2002-06-24
NUMBER OF SEQ ID NOS: 45
SOFTWARE: PatentIN Ver. 3.2
SOFTWARE: PatentIN Ver. 3.2
SEQ ID NO 9
                                             Sequence 8, Application US/10601140A
; Publication No. US20050053942A1
; Publication No. US20050053942A1
; GENERAL INFORMATION:
; APPLICANT: KAUPPINEN, SAKARI
; APPLICANT: APCOSENEN; NANA
; TITLE OF INVENTION: METHODS AND SYSTEMS FOR DETECTION AND ISOLATION OF A
; TITLE OF INVENTION: NUCLECTIDE SEQUENCE
; FILE REFERENCE: 577-64 (71994)
; CURRENT PELLING DATE: 2002-06-20
; PRIOR FILING DATE: 2002-06-24
; NUMBER OF SEQ ID NOS: 45
; SOFTWARE: Patentin Ver. 3.2
; SEQ ID NO 8
; LENGTH: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: DNA

GGANIEM: Artificial Sequence

FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Synthetic
OTHER INFORMATION: oligonucleotide
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NAME/KEY: modified_base
LOCATION: (1)..(20)
OTHER INFORMATION: LNA monomer
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NAME/KEY: modified base
LOCATION: (3)..(4)
OTHER INFORMATION: LNA monomer
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OTHER INFORMATION: LNA monomer
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LOCATION: (13)..(14)
OTHER INFORMATION: LNA monomer
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Matches 20; Conservative
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APPLICANT: CAUDENINE, SAKARI
APPLICANT: JACOBSEN, NAVA
TITLE OF INVENTION: METHODS AND SYSTEMS FOR DETECTION AND ISOLATION OF A
TITLE OF INVENTION: METHODS AND SYSTEMS FOR DETECTION OF A
TITLE OF INVENTION: NUCLECTIBE SEQUENCE
TITLE OF INVENTION: NUCLECTIBE SEQUENCE
CURRENT APPLICATION NUMBER: US/10/601,140A
CURRENT APPLICATION NUMBER: US 60/390,928
PRIOR PRIOR PILING DATE: 2002-06-20
PRIOR FILING DATE: 2002-06-24
NUMBER OF SEQ ID NOS: 45
SEQ ID NO 7
SEQ ID NO
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 20;
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Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 20; Conservative 0; Mismatches 0;
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NAME/KEY: modified_base
LOCATION: (15)
OTHER INFORMATION: LNA monomer
                                                                                                                                                                                                                                                                                                                                   ; LOCATION: (19)
; OTHER INFORMATION: LNA monomer
US-10-601-140A-6
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OTHER INFORMATION: LNA monomer
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OTHER INFORMATION: LNA monomer
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                                                                                           OTHER INFORMATION: LNA monomer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: DNA
ORGANISM: Artificial Sequence
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LOCATION: (14)
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NAME/KEY: modified_base
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LOCATION:
FEATURE:
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LOCATION:
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Sequence 10, Application US/10601140A

Publication No. US20050053942A1

GENERAL INFORMATION:
APPLICANT: KAUPPINEN, SAKARI
APPLICANT: MACOBSEN, NANA
TILLE OF INVENTION: MCTHODS AND SYSTEMS FOR DETECTION AND ISOLATION OF A
TILLE OF INVENTION: WICLEOTIDE SEQUENCE
FILE REFERENCE: 57764 (71994)
CURRENT APPLICATION WUMBER: US/10/601,140A
CURRENT FILING DATE: 2003-06-20
PRIOR PILING DATE: 2002-06-24
NUMBER OF SEQ ID NOS: 45
SOFTWARE: Patentin Ver. 3.2
SEQ ID NO 10
LENGTH: 20
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US-10-601-140A-23/C
; Sequence 23, Application US/10601140A
; Publication No. US20050053942A1
; GENERAL INFORMATION:
; APPLICANT: AADPENIEW, SARARI
; APPLICANT: AACOBSEN, NANA
; TITLE OF INVENTION: NUCLEOTIDE SEQUENCE
; FILE REPERENCE: 5.7764 (171994)
; CURRENT APPLICATION NUMBER: US/10/601,140A
; CURRENT FILING DATE: 2003-06-20
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                                                                                                                                     Score 20; DB 1; Length 20;
Pred. No. 2.6e+02;
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2.6e+02;
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0.4%; Score 20; DB
Best Local Similarity 100.0%; Pred. No. 2.6
Matches 20; Conservative 0; Mismatches
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NAME/KEY: modified base
LOCATION: (10)..(12)
OTHER INFORMATION: LNA monomer
; FEATURE:
; NAME/KEY: modified base
; LOCATION: (18)..(1<u>9</u>)
; OTHER INFORMATION: LNA monomer
US-10-601-140A-9
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LOCATION: (3)..(5)
OTHER INFORMATION: LNA monomer
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CCATION: (17)..(15)

OTHER INFORMATION: LNA monomer

US-10-661-140A-10
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ORGANISM: Artificial Sequence
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Sequence 34, Application US/10601140A
Sequence 34, Application US/10601140A
Sequence 34, Application US/10601140A
Sequence 34, Application US/205053942A1
Sequence 34, Application NOS US20055053942A1
GENERAL INFORMATION:
APPLICANT: CAUPPINEN, SAKARI
APPLICANT: JACOBSEN, NANA
TITLE OF INVENTION: MUCLEOTIDE SEQUENCE
FILE REFERENCE: 57764(71994)
CURRENT APPLICATION NUMBER: US/10/601,140A
CURRENT FILING DATE: 2003-66-20
PRIOR APPLICATION NUMBER: US 60/390,928
FRIOR RILING DATE: 2002-66-24
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0.4%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 20; Conservative 0; Mismatches 0; Indels
PRIOR APPLICATION NUMBER: US 60/390,928
PRIOR FILING DATE: 2002-06-24
NUMBER OF SEQ ID NOS: 45
SOFTWARE: Patentin Ver. 3.2
SEQ ID NO 23
LENGTH: 20
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LOCATION: (11)
OTHER INFORMATION: LNA monomer
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LOCATION: (3)
OTHER INFORMATION: LNA monomer
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OTHER INFORMATION: LNA monomer
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OTHER INFORMATION: LNA monomer
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ORGANISM: Artificial Sequence
FEATURE:
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US-10-876-086-49/c
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US-10-601-140A-44

Sequence 44, Application US/10601140A

PUBLIGATION OF US20050053942A1

GENERAL INFORMATION:
APPLICANT: ALUPPINENS, SAKARI

APPLICANT: APPLICANT: ALUPPINENS, SAKARI

TITLE OF INVENTION: METHODS AND SYSTEMS FOR DETECTION AND ISOLATION OF A

TITLE OF INVENTION: NUCLECTIDE SEQUENCE

FILE REFREENCE: 57/44 (71994)

CURRENT APPLICATION NUMBER: US/10/601, 140A

CURRENT FILING DATE: 2003-06-24

NUMBER OF SEQ ID NOS: 45

SOCTWARR: PATENTION OF A

LENGTH: 20

LENGTH: 20
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Sequence 40, Application US/10601140A

Publication No. US20050053942A1

GENERAL INFORMATION:
APPLICANT: ALOPPINEN, SAKARI
APPLICANT: ALOSEN, NANA
TITLE OF INVENTION: MCTHOOLECTIDE SEQUENCE
FILE REFRENCE: 57764 (7199)
CURRENT APLICATION NUMBER: US/10/601,140A

CURRENT APLICATION NUMBER: US 60/390,928

PRIOR FILING DATE: 2002-06-24

NUMBER OF SEQ ID NOS: 45

SEQ ID NO 40

LENGTH: 20
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COTHER INFORMATION: Oligonucleotide
US-10-601-140A-40
                                                                                                                     OTHER INFORMATION: Description of Artificial Sequence: Synthetic OTHER INFORMATION: oligonuclectide linker
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100.0%; Pred. No. 2.6e+02;
tive 0; Mismatches 0;
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0.4%; Score 20; DB 1; L
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 20; Conservative 0; Mismatches 0;
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ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
                                                                                ORGANISM: Artificial Sequence
SOFTWARE: Patentin Ver. 3.2
SEQ ID NO 34
LENGTH: 20
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nes 20; Conservative
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                                                                  TYPE: DNA
                                                                                                        FEATURE:
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Sequence 49, Application US/10876086

j Sequence 49, Application US/10876086

j Publication No. US20050066389A1

GENERAL INFORMATION:

GENERAL INFORMATION:

APPLICANT: Gallie, Daniel R.

APPLICANT: The Regents of the University of California

APPLICANT: The Regents of the University of California

TITLE OF INVENTION: Genes, Which Produce Staygreen Characteristics in Maize

TITLE OF INVENTION: and Their Uses

FILE REFERENCE: 023070-137010US

FURBERY PAPLICATION NUMBER: US/10/876,086

CURRENT FILING DATE: 2004-06-23

NUMBER OF SEQ ID NOS: 50

SOFTWARE PATENTION OF: 2.1

SEQ ID NO 49

LENGTH: 20
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; OTHER INFORMATION: Description of Artificial Sequence: Synthetic; CTHER INFORMATION: Oligonucleotide US-10-601-140A-44
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                                                                                                                               DB 1; Length 20; 2.6e+02;
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                                                                                                                                  Query Match 0.4%; Score 20; DB Best Local Similarity 100.0%; Pred. No. 2.6 Matches 20; Conservative 0; Mismatches
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APPLICANT: Becker, David J.
APPLICANT: Sampath, Rangarajan
APPLICANT: Freier, Susan M.
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ORGANISM: Artificial Sequence
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US-10-831-901A-29734/c
; Sequence 29734, Application US/10831901A
; Publication No. US20050100885A1
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            20 AAAAAAAAAAAAAAAA 1
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ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                       APPLICANT: Crooke, Stanley T. APPLICANT: Ecker, David J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT 433
US-10-831-901A-29735/c
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APPLICANT: Sampath, Rangaralan
APPLICANT: Freier, Susan M.
APPLICANT: Freier, Susan M.
APPLICANT: Hassire, Christian
APPLICANT: Hofstadler, Steven A.
APPLICANT: Hofstadler, Steven A.
APPLICANT: Bearler, Eric
APPLICANT: Bennett, C. Frank
TITLE OF INVENTION: Compositions And Methods For The Treatment Of Severe
TITLE OF INVENTION: Compositions And Methods For The Treatment Of Severe
TITLE OF INVENTION: Acute Respiratory Syndrome (SARS)
FILE REFERENCE: ISISO083-100 (BIOLO008US)
CURRENT APPLICATION NUMBER: US/10/831,901A
CURRENT FILING DATE: 2003-04-28
PRIOR FILING DATE: 2003-04-28
PRIOR APPLICATION NUMBER: 60/468,562
PRIOR FILING DATE: 2003-05-06
PRIOR FILING DATE: 2003-06-06
PRIOR FILING DATE: 2003-06-06
PRIOR FILING DATE: 2003-06-06
PRIOR FILING DATE: 2003-06-06
PRIOR PRILING DATE: 2003-06-07
SECOND NOWERR OF SEQ ID NOS: 30063
SEOFIT NOWERR OF SEQ ID NOS: 30063
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0.4%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 20; Conservative 0; Mismatches 0; Indels
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0.4%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 20; Conservative 0; Mismatches 0; Indels
PRIOR APPLICATION NUMBER: 60/468,627
PRIOR FLING DATE: 2003-05-06
PRIOR PLING DATE: 2003-06-10
PRIOR APPLICATION NUMBER: 60/477,637
PRIOR PILING DATE: 2003-06-10
PRIOR PILING DATE: 2000-06-27
NUMBER OF SEQ ID NOS: 30063
SOFTWARE: PASLESQ for Windows Version 4.0
SEQ ID NO 29732
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ; Sequence 29733, Application US/10831901A; Publication No. US20050100885A1; GENERAL INFORMATION:
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ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: Crooke, Stanley T.
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LENGTH: 20
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APPLICANT: ECKer, David o.

APPLICANT: Sampath, Rangarajan
APPLICANT: Sampath, Rangarajan
APPLICANT: Freier, Susan M.
APPLICANT: Hofstadler, Steven A.
APPLICANT: Hofstadler, Steven A.
APPLICANT: Lowery, Kristin Sannes
APPLICANT: Swayze, Eric
APPL
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| Publication No. US20050100885A1
| GENERAL INFORMATION:
| APPLICANT: Crocke, Stanley T.
| APPLICANT: Ecker, David J.
| APPLICANT: Ecker, David J.
| APPLICANT: Ereler, Susan M.
| APPLICANT: Hofstadler, Steven A.
| APPLICANT: Hofstadler, Steven A.
| APPLICANT: Baker, Brenda F.
| APPLICANT: Bannett, C. Frank
| TITLE OF INVENTION: Compositions And Methods For The Treatment Of Severe TITLE OF INVENTION: ACUER RESPIRACLY Syndrome (SARS)
| FILE REFERENCE: ISISO033-100 (BIOLOGO8US)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gapa
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RESULT 436
US-10-789-831-23/c
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US-10-789-831-22
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UKS-10-811-9014—29736/C
Sequence 29736, Application US/10811901A
PUBLICANT: Crooke, Stanley T.
APPLICANT: Sampath, Rangaxajan
APPLICANT: Bampath, Bangaxajan
APPLICANT: Bangath, Steven
APPLICANT: Bangath, Steven
APPLICANT: Bangath
APPLICANT: Bangath
APPLICANT: Sampath, Rangaxajan
APPLICANT: Bangath, Steven
APPLICANT: Bangath, Steven
APPLICANT: Baker, Bride
APPLICANTION: Acute Respiratory Syndrome (SARS)
FILE REFERENCE: ISISO83-100 (BIOLO0081S)
CURRENT APPLICATION NUMBER: 60/466,426
PRIOR APPLICATION NUMBER: 60/466,426
PRIOR APPLICATION NUMBER: 60/466,527
PRIOR APPLICATION NUMBER: 60/466,627
PRIOR APPLICATION NUMBER: 60/466,627
PRIOR APPLICATION NUMBER: 60/466,627
PRIOR APPLICATION NUMBER: 60/466,770
PRIOR PILING DATE: 2003-06-20
PRIOR PILING DATE: 2003-06-20
PRIOR PILING DATE: 2003-06-27
NUMBER OF SEQ ID NUSS: 30063
SECOND STORES OF SECOND STORES STORES
APPLICANTION NUMBER: 60/483,579
PRIOR PILING DATE: 2003-06-27
NUMBER OF SEQ ID NOS: 30063
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CURRENT FILING DATE: 2004-04-26
PRIOR APPLICATION NUMBER: 60/466,426
PRIOR FILING DATE: 2003-04-28
PRIOR PILING DATE: 2003-04-28
PRIOR PILING DATE: 2003-05-06
PRIOR PILING DATE: 2003-05-06
PRIOR APPLICATION NUMBER: 60/467,770
PRIOR APPLICATION NUMBER: 60/467,770
PRIOR APPLICATION NUMBER: 60/468,627
PRIOR APPLICATION NUMBER: 60/477,637
PRIOR PILING DATE: 2003-05-06
PRIOR PILING DATE: 2003-06-10
PRIOR PILING DATE: 2003-06-17
PRIOR FILING DATE: 2003-06-17
PRIOR FILING DATE: 2003-06-27
NUMBER OF SEQ ID NOS: 30063
SOFTWARE: FREESEQ for Windows Version 4.0
SEQ ID NO 29735
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, OTHER INFORMATION: Antisense compound
US-10-831-901A-29736
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     , OTHER INFORMATION: Antisense compound US-10-831-901A-29735
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ORGANISM: Artificial Sequence
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Best Local Similarity 100.(
Matches 20, Conservative
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Sequence 22, Application US/10789831

Sequence 22, Application US/10789831

Sequence 22, Application No. US20050130174A1

GENERAL INFORMATION:

APPLICANT: Bao. Yijia P.

APPLICANT: Bao. Yijia P.

TILLE OF INVENTION: LABEL-FREE GENE EXPRESSION PROFILING WITH UNIVERSAL NANOPARTICLE

TILLE OF INVENTION: PROBES IN MICROARRAY ASSAY FORMAT

FILE REFERENCE: 03-214-A

CURRENT APPLICATION NUMBER: US/10/789,831

CURRENT FILING DATE: 2004-02-27

PRIOR FILING DATE: 2003-02-27

NUMBER OF SEQ ID NOS: 24

SOFTWARE PATENTIN VERSION 3.3

SOFTWARE PATENTIN VERSION 3.3

LENGTH: 20
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; Sequence 23, Application US/10789831
; Sequence 23, Application No. US20050130174A1
; PUBLICANT: Bao, Yijia P.
APPLICANT: Muller, Uwe R.
TITLE OF INVENTION: LABEL-FREE GENE EXPRESSION PROFILING WITH UNIVERSAL NANOPARTICLE.
TITLE OF INVENTION: PROBES IN MICROARRAY ASSAY FORMAT
TITLE OF INVENTION: DATE: 2004-02-27
CURRENT APPLICATION NUMBER: US 60/450,268
PRIOR APPLICATION NUMBER: US 60/450,268
PRIOR APPLICATION NUMBER: US 60/450,268
SPRIOR SEQ ID NOS: 24
SOFTWARE: Patentin version 3.3
SEQ ID NO 23
SEQ ID NO 23
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LOCATION: (1)..(1)
OTHER INFORMATION: t comprises an epiandrosterone disulfide group
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1 LOCATION: (1)...(1)

1 OTHER INFORMATION: a comprises an epiandrosterone disulfide group

0S-10-789-831-22
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Query Match
0.4%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 20; Conservative 0; Mismatches 0; Indels
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0.4%; Score 20; DB 1; L.
Best Local Similarity 100.0%; Pred. No. 2.66+02;
Matches 20; Conservative 0; Mismatches 0;
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Publication No. US20050153912A1

GENERAL INFORMATION:

APPLICANT: VALLLANT, ANDREW

APPLICANT: VALLLANT, ANDREW

TITLE OF INVENTION: ANTIVIRAL OLIGONUCLEOTIDES TARGETING VIRAL FAMILIES

FILE REFERENCE: 029849/0207

CURRENT APPLICATION NUMBER: US/10/661,402

CURRENT PILING DATE: 2003-09-12

PRIOR APPLICATION NUMBER: 60/430,934

PRIOR PILING DATE: 2003-09-11

PRIOR PILING DATE: 2002-09-13

NUMBER: 60/410,264

PRIOR FILING DATE: 2002-09-13

NUMBER: 05 SEQ ID NOS: 36

SEQ ID NO 15

LENGTH: 20
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| Sequence 10. Application US/10847502
| Sequence 10. Application No. US20050165226A1
| GENERAL INFORMATION:
| APPLICANT: Cole, Douglas L. | APPLICANT: Cole, Douglas L. | APPLICANT: Cheruvallath, Zacharia S. | TITLE OF INVENTION: IMPROVED SYNTHESIS OF SULPURIZED OLIGONUCLEOTIDES | TITLE OF INVENTION: IMPROVED SYNTHESIS OF SULPURIZED OLIGONUCLEOTIDES | FILE REFERENCE: ISIS-4709 | FILE REFERENCE: ISIS-4709 | FILE REFERENCE: US/10/181,200 | FILE REPEATOR ONUBER: US/10/181,200 | FRIOR FILING DATE: 2001-1.0 | FRIOR FILING DATE: 2001-1.0 | FRIOR FILING DATE: 2000-01-11 | NUMBER OF SEQ ID NOS: 16 | FRIOR FILING DATE: 2000-01-11 | NUMBER OF SEQ ID NOS: 16 | SEQ ID NO 10 | LENGTH: 20 | LENGTH: 2
                                         Gaps
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                                         Indele
   Best Local Similarity 100.0%; Pred. No. 2.6e+02; Matches 20; Conservative 0; Mismatches 0;
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                                                                                                        5025 AAAAAAAAAAAAAAAA 5044
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Publication No. US20050130174A1
GENERAL INFORMATION:
APPLICANT: Bao, Yijia P.
APPLICANT: Muller, Uwe R.
TITLE OF INVENTION: PROBES IN MICROARRAY ASSAY FORMAT
TITLE OF INVENTION: PROBES IN MICROARRAY ASSAY FORMAT
TITLE OF INVENTION: PAD-1214-A
CURRENT APPLICATION NUMBER: US/10/789,831
CURRENT PILING DATE: 2004-02-27
PRIOR FILING DATE: 2003-02-27
PRIOR FILING DATE: 2003-02-27
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Publication No. US20050153912A1

GENERAL INPORMATION:
APPLICANT: VAILLANT, ANDREW
APPLICANT: USILLANT, ANDREW
TITLE OF INVENTION: ANTIVIRAL OLIGONUCLEOTIDES TARGETING VIRAL FAMILIES
FILE REPREBNCE: 02949/0207

CURRENT APPLICATION NUMBER: US/10/661,402

CURRENT FILING DATE: 2003-09-12

PRIOR APPLICATION NUMBER: ECT/TB03/04573

PRIOR PLILING DATE: 2003-09-11

PRIOR FILING DATE: 2002-12-05

PRIOR FILING DATE: 2002-12-05

PRIOR FILING DATE: 2002-09-13

NUMBER OF SEQ ID NOS: 36

SOFTWARE: Patentin Ver. 3.2

LENGTH: 20
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                                                                   Score 20; DB 1; Length 20;
Pred. No. 2.6e+02;
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                                                                   Query Match 0.4%; Score 20; DB Best Local Similarity 100.0%; Pred. No. 2.6 Matches 20; Conservative 0; Mismatches
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                                                                                                                                                                                                                                                                                     20 AAAAAAAAAAAAAAA 1
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SOFWARE: Patentin version 3.3
SEQ ID NO 24
LENGTH: 20
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ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: DNA
ORGANISM: Artificial
US-10-789-831-23
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US-10-789-831-24
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Gaps
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0.4%; Score 20; DB 1; Length 21;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 20; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                  ; OTHER INFORMATION: PCR Oligonuclectide Primer 3.18 ECORI US-10-025-145A-35
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 23, Application US/10913246

Publication No. US20050003441A1

GENERAL INFORMATION:

APPLICANT: KUTT, NUITH

ITLE OF INVENTION: AMPLIFICATION OF RNA SEQUENCES

TITLE OF INVENTION: AMPLIFICATION OF RNA SEQUENCES

TITLE OF INVENTION: AMPLIFICATION OF RNA SEQUENCES

TITLE OF INVENTION: AMPLIFICATION OF RNA SEQUENCES

FILE REFERENCE: 492692000500

CURRENT FILING DATE: 2004-08-05

PRIOR APPLICATION NUMBER: US/10/913,246

PRIOR APPLICATION NUMBER: US 60/274,550

PRIOR APPLICATION NUMBER: US 60/274,550

PRIOR FILING DATE: 2001-03-09

NUMBER OF SEQ ID NOS: 25

SEQ ID NO 23

LENTHARE: FastSEQ for Windows Version 4.0

LENTHAL: 21
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; Sequence 23, Application US/10934890
; Publication No. US20050014192A1
; GENERAL INFORMATION:
    APPLICANT: Kurn, Nurith
    TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR
    TITLE OF INVENTION: AMPLIFICATION OF RNA SEQUENCES
CURRENT APPLICATION NUMBER: US/10/025,145A
CURRENT FILING DATE: 2002-06-28
PRIOR APPLICATION NUMBER: US 09/360,545
PRIOR FILING DATE: 1999-07-26
PRIOR FILING DATE: 1999-07-26
PRIOR FILING DATE: 1999-07-10
PRIOR FILING DATE: 1998-07-10
PRIOR FILING DATE: 1998-07-11
NUMBER OF SEQ ID NOS: 107
SOFTWARE: PATCHTON NUMBER: US 60/052,249
PRIOR FILING DATE: 1997-07-11
NUMBER OF SEQ ID NOS: 107
SOFTWARE: PATCHTON VERSION 3.1
SOFTWARE: PATCHTON VERSION 3.1
ENGTH: 21
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US-10-913-246-23
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                                                                                                                                                                                                                                                                                                                                                        ORGANISM: Artificial Sequence FEATURE:
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                                                                                                                                                                                                                                                                                                                                     TYPE: DNA
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Sequence 15, Application US/10847502;
Publication No. US2005016526A1
GENERAL INFORMATION:
APPLICANT: Cole, Douglas I.
APPLICANT: Ravikumar, Vasulinga T.
APPLICANT: Cheruvallath, Zacharia S.
TITLE OF INVENTION: IMPROVED SYNTHESIS OF SULFURIZED OLIGONUCLEOTIDES
FILE REFRERENCE: ISIS-4709
FILE REPERENCE: ISIS-4709
CURRENT APPLICATION NUMBER: US/10/847,502
CURRENT PILING DATE: 2004-05-17
PRIOR PILING DATE: 2002-12-12
PRIOR PLILNG DATE: 2000-11-10
PRIOR PLILNG DATE: 2000-01-11
PRIOR FILING DATE: 2000-01-11
PRIOR FILING DATE: 2000-01-11
SOFTWARE: PatentIn version 3.2
SOFTWARE: PatentIn version 3.2
LENGTH: 20
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APPLICANT: Steele, Christopher L.
APPLICANT: Steele, Christopher L.
APPLICANT: Phillips, Michael A.
TITLE OF INVENTION: Monoterpene Synthases from Grand Fir (Abies Grandis)
FILE REFERENCE: WSUR118414
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                                                                                                                                                                                                                              Query Match 0.4%; Score 20; DB 1; Length 20; Best Local Similarity 100.0%; Pred. No. 2.6e+02; Matches 20; Conservative 0; Mismatches 0; Indels
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NAME/KEY: misc feature
LOCATION: (1)...(20)
OTHER INFORMATION: phosphorothioate 20-mer
US-10-847-502-15
                                                                                           ; NAME/KEY: misc_feature
; LOCATION: (1)._(20)
; OTHER INFORMATION: phosphorothioate 20-mer
US-10-847-502-10
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US-10-025-145A-35
; Sequence 35, Application US/10025145A
; Publication No. US20030175861A1
; GENERAL INFORMATION:
; APPLICANT: Croteau, Rodney B.
                         LOCATION: (1)...(1)
OTHER INFORMATION: 2'-0-methoyxethyl
FEATURE:
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NAME/KRY: misc_feature
LOCATLON: (1)..(1)
OTHER INFORMATION: 2'-O-methyl
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ORGANISM: Artificial Sequence
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Sequence 75557, Application US/10681773

Publication No. US2004046890A1

GENERAL INFORMATION:

APPLICANT: Metsuzaki, Hajime

APPLICANT: Metsuzaki, Hajime

APPLICANT: Shen, Met-Mei

APPLICANT: Shen, Met-Mei

TITLE OF INVENTION: Methods for Genotyping Polymorphisms in Humans

TITLE OF INVENTION: WITHOR: US/10/681,773

CURRENT APPLICATION NUMBER: US/10/681,773

CURRENT FILING DATE: 2002-10-07

PRIOR APPLICATION NUMBER: 60/470,475

PRIOR APPLICATION NUMBER: 60/417,190

PRIOR APPLICATION NUMBER: 60/417,190

PRIOR APPLICATION NUMBER: 60/417,190

SPROR FILING DATE: 2002-10-07

NUMBER OF SEQ ID NOS: 124031

SEQ ID NO 75257

LENGTH: 25
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0.4%; Score 19.8; DB 1; Length 25;
Best Local Similarity 91.3%; Pred. No. 3.3e+02;
Matches 21; Conservative 0; Mismatches 2: Indela
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Sequence 60, Application US/09776479
Fublication No. US20030087848A1
GENERAL INFORMATION:
APPLICANT: Bratzler, Robert L.
APPLICANT: Petersen, Deanna M.
APPLICANT: Fouron, Yves
TITLE OF INVENTION: Immunostimulatory Nucleic Acids for the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 25;
                                                   TITLE OF INVENTION: Attogene Nucleic Acids Encoding a TITLE OF INVENTION: Secretable RNA Polymerase FILE REFERENCE: 020801-00032008 CURRENT APPLICATION NUMBER: US/10/688,299 CURRENT FILING DATE: 2003-10-16 PRIOR APPLICATION NUMBER: US 60/287,974 PRIOR PILING DATE: 2001-04-30 PRIOR PILING DATE: 2001-04-30 PRIOR FILING DATE: 2002-04-30 PRIOR FILING DATE: 2002-04-30 SOFTWARE FESTERG for Windows Version 3.0 SOFTWARE FESTERG for Windows Version 3.0 LENGTH: 25
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Local Similarity 100.0%; Pred. No. 3.2e+02;
hes 20; Conservative 0; Mismatches 0;
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                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: DNA ORGANISM: Artificial Sequence
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US-10-681-773-75257
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US-09-776-479-60/c
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Matches
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APPLICANT: Hooper, US;
APPLICANT: Schmaljohn, Connie S.
APPLICANT: Cucker, Max
TITLE OF INVENTION: DNA Vaccines Against Hantavirus Infections
FILE REFERENCE: 003/259/SAP;
CURRENT APPLICATION NUMBER: US/10/394,386A;
CURRENT APPLICATION NUMBER: US 09/941,074
PRIOR APPLICATION NUMBER: US 09/941,074
PRIOR FILING DATE: 2000-01-27;
PRIOR APPLICATION NUMBER: US 60/367,128
PRIOR FILING DATE: 2002-07-26
PRIOR FILING DATE: 2002-07-26
NUMBER OF SEQ ID NOS: 22
SOFTWARE: Apple Macintosh Microsoft Word 6.0
SEQ ID NO 6
LENTH: 24
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Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 20; Conservative 0; Mismatches 0;
FILE REFERENCE: 492692000500
CURRENT APPLICATION NUMBER: US/10/934,890
CURRENT FILING DATE: 2004-09-03
PRIOR APPLICATION NUMBER: US/10/100,321
PRIOR APPLICATION NUMBER: US 60/274,550
PRIOR FILING DATE: 2002-03-11
PRIOR FILING DATE: 2001-03-09
NUMBER OF SEQ ID NOS: 25
SOFTWARE: FASCSEQ FOR Windows Version 4.0
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, Sequence 54, Application US/10688299
; Publication No. US2040142892A1
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                        NAME/KEY: misc_feature; LOCATION: 1; OTHER INFORMATION: n = A,T,C or GUS-10-934-890-23
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ORGANISM: Artificial sequence
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                             OTHER INFORMATION: Primer
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LENGTH: 21
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US-10-314-578-60/c
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US-10-017-995-60/c
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SEQ ID NO 60
LENGTH: 24
                                                                                                                                   FEATURE:
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Publication No. US2003005026841
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Krieg, Arthur M.
APPLICANT: Krieg, Daniel J.
TITLE OF INVENTION: TREATMENT OF NON-ALLERGIC INFLAMMATORY DISEASES FILE REFERENCE: CO1039/70060(AMS)
CURRENT APPLICATION NUMBER: US/10/112,653
CURRENT FILING DATE: 2002-03-29
PRIOR APPLICATION NUMBER: US 60/279,642
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US-09-776-49-60/C

Sequence 60, Application US/09776479
Sequence 60, Application US/09776479
Sequence 60, No. US2004006790249
GENERAL INFORMATION:
APPLICANT: Bratzler, Robert L.
APPLICANT: Petersen, Deanna M.
APPLICANT: FOURD, YveB
TITLE OF INVENTION: Immunostimulatory Nucleic Acids for the TITLE OF INVENTION: Immunostimulatory Nucleic Acids for the TITLE OF INVENTION: Immunostimulatory Nucleic Acids for the TITLE OF INVENTION: 1 Treatment of Asthma and Allergy FILE REFERENCE: C1037/7013 (HCL/MAT);
CURRENT FILING DATE: 2001-20-20;
FRIOR APPLICATION NUMBER: US 60/179,991
SPRIOR FILING DATE: 2000-02-03
NUMBER OF SEQ ID NOS: 1093
SOFTWARE: FSECTED NOS: 1093
SEQ ID NO 60
                                                                                                                                                                                                                                                                                                                                                 .cn 0.4%; Score 19.2; DB 1; Length 24; al Similarity 87.5%; Pred. No. 3.5e+02; 21; Conservative 0; Mismatches
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TITLE OF INVENTION: Treatment of Asthma and Allergy FILE REFERRECE: C1037/7013 (HCL/MAT)
CURRENT APPLICATION NUMBER: US/09/776,479
CURRENT FILING DATE: 2001-02-02
PRIOR APPLICATION NUMBER: US 60/179,991
PRIOR PILING DATE: 2000-03
NUMBER OF SEQ ID NOS: 1093
SOFTWARE: PastSEQ for Windows Version 3.0
SEQ ID NO 60
LENGTH: 24
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ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
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Best Local Similarity
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| Sequence 60, Application US/20030055014A1
| Publication No. US20030055014A1
| GENERAL INFORMATION:
| TILLE REINGARICE: CLOST/702S (HCL/MAT)
| FILLE REFRENCE: CLOST/702S (HCL/MAT)
| CURRENT APPLICATION NUMBER: US 60/255,534
| PRIOR APPLICATION NUMBER: US 60/255,534
| NUMBER OF SEQ ID NOS: 1093
| SOFTWARE: FastSEQ for Windows Version 3.0
| LENGTH: 24
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87.5%; Pred. No. 3.5e+02;
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0.4%; Score 19.2; DB 1; Length 24;
Best Local Similarity 87.5%; Pred. No. 3.5e+02;
Matches 21; Conservative 0; Mismatches 3; Indels
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DEGREEAL INFORMATION:
PUBlication No. US20030212026A1
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Schetter, Christian
APPLICANT: Schetter, Christian
APPLICANT: Vollmer, Jorg
TITLE OF INVENTION: Immunostimulatory Nucleic Acids
FILE REPRENCE: C1039/7035 (HCL/MAT)
CURRENT APPLICATION NUMBER: US 60/156,113
FRIOR APPLICATION NUMBER: US 60/156,113
FRIOR APPLICATION NUMBER: US 60/156,135
FRIOR APPLICATION NUMBER: US 60/156,135
FRIOR APPLICATION NUMBER: US 60/227,436
FRIUNG DATE: 1999-09-27
FRIUNG DATE: 1999-09-27
FRIUNG DATE: 1999-09-27
FRIUNG PRILING DATE: 1999-09-27
FRIUNG PRILING DATE: 1999-09-27
FRIUNG PRILING DATE: 1999-09-27
FRIUNG PRILING DATE: 1999-09-27
FRIUNG SEPLICATION NUMBER: US 60/227,436
                                                                                                                                                                                                                                                                                                                              ; OTHER INFORMATION: Synthetic Oligonucleotide US-10-112-653-54
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SOFTWARE: FastSEQ for Windows Version 3.0 SEQ ID NO 54 ENGIN: 24
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ORGANISM: Artificial Sequence
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Best Local Similarity 87.5%
warches 21; Conservative
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24 TCTTGGGACTGACGGTCGGCCCTT
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                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: DNA
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US-10-831-778-60/C

Sequence 60, Application US/10831778

Publication No. US20040235774A1

GENERAL INFORMATION:

APPLICANT: Bratzler, Robert L.

APPLICANT: Petersen, Deanna M.

CURRENT PELING IMMUNER: US/10/831,778

CURRENT APPLICATION NUMBER: US 60/179,991

PRIOR FILING DATE: 2000-02-03

NUMBER OF SEQ ID NOS: 1093

SEQ ID NO 60

SEQ ID NO 60

LENGTH: 24
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Publication No. US20030104410A1
GENERAL INFORMATION:
ITILE OF INVENTION: Human Microarray
FILE REPRENCE: 3118.1
CURRENT PILING DATE: 2003-01-08
PRIOR APPLICATION NUMBER: 60/276,759
PRIOR PILING DATE: 2001-03-16
NUMBER OF SEQ ID NOS: 131066
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 76253
                                                                                                      Query Match 0.4%; Score 19.2; DB 1; Length 24; Best Local Similarity 87.5%; Pred. No. 3.5e+02; Matches 21; Conservative 0; Mismatches 3; Indels
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Pred. No. 3.6e+02;
0; Mismatches 3; Indels
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                                          OTHER INFORMATION: Synthetic Sequence
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ORGANISM: Artificial Sequence
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Best Local Similarity 87.5%;
Matches 21; Conservative (
ORGANISM: Artificial Sequence
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ORGANISM: Homo sapien
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US-10-098-263B-76253/C
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Sequence 76254, Application US/10096263B
; Sequence 76254, Application US/10096263B
; Publication No. US20030104410A1
; GENERAL INFORMATION:
    APPLICANT: Mittenan, Michael
; TITLE OP INVENTION: Human Microarray
FILE REFERENCE: 3118.1 min Michael
; CURRENT APPLICATION NUMBER: US/10/098,263B
; CURRENT FILING DATE: 2003-1.08
; PRIOR RILING DATE: 2003-03-16
; NUMBER OF SEQ ID NOS: 131066
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; ENGTH: 25
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Publication No. US20050026164A1

GENERAL INFORMATION:

APPLICANT: Xue Mei Zhou

TITLE OF INVENTION: Methods of Genetic Analysis of Mouse

FILE REFERENCE: 3529.1

CURRENT APPLICATION NUMBER: US/10/719,900

PRIOR APPLICATION NUMBER: 60/427,808

PRIOR FILING DATE: 2003-11-20

NUMBER OF SEQ ID NOS: 982914
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; Publication No. US20050026164A1
; GENERAL INFORMATION:
; APPLICANT: Xue Mei Zhou
; TITLE OF INFORTION: Methods of Genetic Analysis of Mouse
; FILE REFERENCE: 3528.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 0.4%; Score 19.2; DB 1; Best Local Similarity 87.5%; Pred. No. 3.6e+02; Matches 21; Conservative 0; Mismatches 3;
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US-10-719-900-18911
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25 GAAAATGCTGAGTGGCAGTGTAAA 2
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CORGANISM: Mus musculus
US-10-719-900-872675
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Sequence 286591, Application US/10719900

Sequence 286591, Application No. US20050026164A1

GENERAL INFORMATION:

APPLICANT: XUE Mei Zhou

TITLE OF INVENTION: Methods of Genetic Analysis of Mouse;

FILE REPERENCE: 3528.1

CURRENT FILING DATE: 2003-11-20

PRIOR FILING DATE: 2003-11-20

PRIOR FILING DATE: 2002 11 20

PRIOR FILING DATE: 2002 11 20

NUMBER OF SEQ ID NOS: 982914

SOSTWARE: Microarray Probe Sequence Listing Generator V 1.1

SEQ ID NO 286591

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Sequence 228030, Application US/10719900
Sequence 228030, Application US/10719900
Sequence 228030, Application US/10719900
Sequence 228030, Application October 1
GENERAL INFORMATION:
TITLE OF INVENTION: Methods of Genetic Analysis of Mouse
TITLE OF INVENTION: Methods of Genetic Analysis of Mouse
CURRENT FILING DATE: 2003-11-20
SEQUENCE FILING DATE: 2003-11-20
SEQUENCE FILING DATE: 2003-11-20
SEQUENCE FILING DATE: 2002 11 20
SEQUENCE OF SEQUENCE SEQUENCE Listing Generator V 1.1
SEQUENCE TO NO 228030
SEQUENCE TO SEQUENCE SEQUENCE DESCRIPTION OF SEQUENCE DESCRIPT
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        PRIOR FILING DATE: 2002 11 20
NUMBER OF SEQ ID NOS: 982914
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 228029
LENGTH: 25
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COGGANISM: Mus musculus
US-10-719-900-228030
                                                                                                                                                                                                                       TYPE: DNA
CORGANISM: Mus musculus
US-10-719-900-228029
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Sequence 872675, Application US/10719900

Sequence 872675, Application US/10719900

Sequence 872675, Application US/10719900

TULE NEPERAL INFORMATION:

APPLICANT: Xue Mei Zhou

TITLE OF INVENTION: Methods of Genetic Analysis of Mouse

TITLE OF INVENTION: Methods of Genetic Analysis of Mouse

TILE REFERENCE: 3528.

CURRENT APPLICATION NUMBER: US/10/719,900

CURRENT FILING DATE: 2003-11-20

PRIOR FILING DATE: 2002-11-20

NUMBER OF SEQ ID NOS: 982914

SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1

SEQ ID NO 872675

LENGTH: 25
Query Match 0.4%; Score 19.2; DB 1; Length 25; Best Local Similarity 87.5%; Pred. No. 3.6e+02; Matches 21; Conservative 0; Mismatches 3; Indels
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Sequence 872676 Application US/10719900

Sequence 872676 Application US/10719900

PUBLication No. US20050026164A1

GENERAL INFORMATION:

APPLICANT: Xue Mei Zhou

TITLE OF INVENTION: Methods of Genetic Analysis of Mouse

TITLE OF INVENTION: Methods of Genetic Analysis of Mouse

TILLE REFERENCE: 3528.1

CURRENT APPLICATION NUMBER: US/10/719,900

CURRENT FILING DATE: 2003-11-20

PRIOR PILING DATE: 2002-11-20

PRIOR FILING DATE: 2002-11-20
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US-10-719-956-68653

Sequence 68653, Application US/10719956

Publication No. US20040146910A1

GENERAL INFORMATION:

APPLICANT: Xue Mei Zhou

TILLE OF INVENTION: Methods of Genetic Analysis of Rat

FILE REFERENCE: 3527.1

CURRENT APPLICATION NUMBER: US/10/719,956

CURRENT APPLICATION NUMBER: 60/427,836

PRIOR FILING DATE: 2002 11 20

NUMBER OF SEQ ID NOS: 699466

SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1

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TITLE OF INVENTION: Methods of Genetic Analysis of Mouse
FILE REPERENCE: 35.91
FILE REPERENCE: 35.91
CURRENT APPLICATION NUMBER: US/10/719,900
RIGH APPLICATION NUMBER: US/427,808
PRIOR FILING DATE: 2002-11.20
NUMBER OF SEQ ID NOS: 982914
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 956708
LENGTH: 25
NUMBER OF SEQ ID NOS: 982914
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 972676
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US-10-719-900-956708/c
Sequence 956708, Application US/10719900
Publication No. US20050026164A1
GENERAL INFORMATION:
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; ORGANISM: Rattus norvegicus
US-10-719-956-68653
                                                                                                     ; TYPE: DNA
; ORGANISM: Mus musculus
US-10-719-900-872676
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US-10-719-900-956708
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                                                                              Sequence 369528, Application US/10719956
Publication No. US20040146910A1
GENERAL INFORMATION:
TITLE OF INVENTION: Methods of Genetic Analysis of Rat
FILE REPERENCE 3527.1
CURRENT APPLICATION WUMBER: US/10/719,956
CURRENT FILING DATE: 2003-11-20
PRIOR PFLICHG DATE: 2002-11-20
PRIOR PFLICHG DATE: 2002-11-20
NUMBER OF SEQ ID NOS: 699466
SOFTWARE Microarray Probe Sequence Listing Generator V 1.1
LENGTH: 25
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Sequence 1651109
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0.4%; Score 19.2; DB 1; Length 25;
Best Local Similarity 87.5%; Pred. No. 3.6e+02;
Matches 21; Conservative 0; Mismatches 3; Indels
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Sequence 520734, Application US/10719956

Publication No. US20040146910A1

GENERAL INFORMATION:

APPLICANT: Xue Mei Zhou

TITLE OF INVENTION: Methods of Genetic Analysis of Rat

TITLE OF INVENTION: Methods of Genetic Analysis of Rat

CURRENT APPLICANION NUMBER: US/10/719,956

CURRENT FILING DATE: 2003-11-20

PRIOR FILING DATE: 2002 11 20

NUMBER OF SEQ ID NOS: 699466
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US-10-719-956-369528
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RESULT 465
US-10-719-956-369528/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-10-719-956-467347/c
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Gaps

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Query Match 0.4%; Score 19; DB 1; Length 19; Best Local Similarity 100.0%; Pred. No. 2.9e+02; Matches 19; Conservative 0; Mismatches 0; Indels
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                                 TYPE: DNA ORGANISM: Artificial Sequence FEATURE:
                                                                                                             OTHER INFORMATION: Primer
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Best Local Similarity
Matches 19; Conserv
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  SEQ ID NO 24
LENGTH: 19
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Publication No. US20040219577A1

GENERAL INFORMATION:

APPLICANT: Ravikumar, Vasulinga

APPLICANT: Ravikumar, Vasulinga

APPLICANT: Ravikumar, Achim

APPLICANT: Capaldi, Daniel C.

APPLICANT: Capaldi, Daniel C.

APPLICANT: Cole, Douglas L.

APPLICANT: Guzaev, Andrei

TITLE OF INVENTION IMPROVED PROCESS FOR THE SYNTHESIS OF OLIGOMERIC COMPOUNDS

FILE REFERENCE: ISIS-5422

CURRENT APPLICATION NUMBER: US/10/760,940

CURRENT APPLICATION NUMBER: US 09/288,679

PRIOR APPLICATION NUMBER: US 09/288,679

PRIOR APPLICATION NUMBER: US 60/118,564

PRIOR FILING DATE: 1999-02-04

NUMBER OF SEQ ID NOS: 5

SEQ ID NO 1

LENGTH: 19

MADEL OF NUMBER: PatentIN version 3.2

SEQ ID NO 1

LENGTH: 19
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0
                                                                                                                                                             Score 19.2; DB 1; Length 25;
Pred. No. 3.6e+02;
0; Mismatches 3; Indels
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 520734
LENGTH: 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 0.4%; Score 19; DB 1; Length 19; Best Local Similarity 100.0%; Pred. No. 2.9e+02; Matches 19; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              GENERAL INFORMATION:
APPLICANT: Kurn, Nurith
TITLE OF INVENTION: MARIEDES AND COMPOSITIONS FOR
TITLE OF INVENTION: MARIEDES AND COMPOSITIONS FOR
TITLE OF INVENTION: AMPLIETCATION OF RNA SEQUENCES;
FILE REFERENCE: 492692000500
CURRENT APPLICATION NUMBER: US/10/913,246
CURRENT FILING DATE: 2004-08-05
PRIOR FILING DATE: 2004-08-05
PRIOR FILING DATE: 2004-03-11
PRIOR FILING DATE: 2001-03-09
NUMBER OF SEQ ID NOS: 25
NUMBER OF SEQ ID NOS: 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ) OTHER INFORMATION: Synthetic Construct US-10-760-940-1
                                                                                                                                                                                                                                                        838 TCAGAAAAGCATCTGAGAAAGCA 861
                                                                                                                                                                                                                                                                                           25 TCAGAAAAGCATATGAGCAAACA 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 24, Application US/10913246
Publication No. US20050003441A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               5025 AAAAAAAAAAAAAA 5043
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Best Local Similarity 87.5%;
Matches 21; Conservative (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: DNA
ORGANISM: Artificial Sequence
                                                                     ; TYPE: DNA
; ORGANISM: Rattus norvegicus
US-10-719-956-520734
                                                                                                                                                                                                                                                                                                                                                                     RESULT 468
US-10-760-940-1/c
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GENERAL INFORMATION:

APPLICANT: Baker, Brenda F.

APPLICANT: Baker, Muthiah

APPLICANT: Bat, Balkrishen

APPLICANT: Bhat, Balkrishen

APPLICANT: Griffey, Richard

APPLICANT: Griffey, Richard

APPLICANT: Groke, Stanley T.

APPLICANT: Savaze, Elic E.

APPLICANT: Prakash, Thazha P.

APPLICANT: Prakash, Thazha P.

APPLICANT: Prakash, Thazha P.

APPLICANT: Prakash, Thazha P.

TITLE OF INVENTION: OLIGOMERIC COMPOUNDS HAVING MODIFIED BASES FOR BINDING TO ADENINE

TITLE OF INVENTION: OLIGOMERIC COMPOUNDS HAVING MODIFIED BASES FOR BINDING TO ADENINE

TITLE OF INVENTION: AND GUANINE AND THEIR USE IN GENE MODULATION

CURRENT APPLICATION NUMBER: US 10/700,884

CURRENT APPLICATION NUMBER: US 10/635,380

PRIOR FILING DATE: 2003-08-06

PRIOR FILING DATE: 2003-08-06

PRIOR APPLICATION NUMBER: US 60/423,760
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                                                                                             APPLICANT: Kurn, Nurith
TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR
TITLE OF INVENTION: AMPLIFICATION OF RNA SEQUENCES
FILE REFERENCE: 492692000500
CURRENT APPLICATION NUMBER: US/10/934,890
CURRENT PILING DATE: 2004-09-03
PRIOR APPLICATION NUMBER: US/10/10,321
PRIOR APPLICATION NUMBER: US/10/10,321
PRIOR APPLICATION NUMBER: US/10/10,321
PRIOR PILING DATE: 2001-03-09
NUMBER OF SEQ ID NOS: 25
SOFTWARE: ReatSEQ for Windows Version 4.0
SEQ ID NO 24
LENGTH: 19
Sequence 24, Application US/10934890
Publication No. US20050014192A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 23, Application US/10700884
Publication No. US20050118605A9
GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          19; Conservative
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Publication No. US20050038229A1
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APPLICANT: Ravikumar, Wuthia
APPLICANT: Manoharan, Muthia
APPLICANT: Capaldi, Daniel
APPLICANT: Capaldi, Daniel
APPLICANT: Cole, Douglas
APPLICANT: Cole, Douglas
APPLICANT: Caraev, Andrei
TITLE OF INVENTION: Improved Process for the Synthesis of Oligomeric Compounds
TITLE OF INVENTION INMERS: US/10/940,360
CURRENT APPLICATION NUMBER: US/09/288,679
FRIOR FILING DATE: 1999-04-09
PRIOR FILING DATE: 1999-04-09
PRIOR APPLICATION NUMBER: 60/118,564
PRIOR FILING DATE: 1999-02-04
NUMBER OF SEQ ID NOS: 7
SOFTWARE: Patentin version 3.0
SSOFTMARE: Patentin version 3.0
SSOFTMARE: Patentin version 3.0
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                                                                                                                                                                                                                                                                                                                                                                                                                                         NAME/KEY: misc feature
LOCATION: (16) ... (19)
OTHER INFORMATION: 2'-0-[2-(methoxy)ethyl]-2-thio-5-methyluridine
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PRIOR FILING DATE: 2002-11-05
PRIOR APPLICATION NUMBER: US 10/078,949
PRIOR FILING DATE: 2002-20
PRIOR FILING DATE: 2002-20
PRIOR PILING DATE: 2000-01-07
PRIOR APPLICATION NUMBER: US 08/479,783
PRIOR APPLICATION NUMBER: US 08/659,440
PRIOR PILING DATE: 1997-06-06
PRIOR FILING DATE: 1996-06-06
NUMBER OF SEQ ID NOS: 23
SEQ ID NO 23
LENGTH: 19
                                                                                                                                                                                                                                                                                                                                                                                                 OTHER INFORMATION: Synthetic Construct
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      5025 AAAAAAAAAAAAAAAA 5043
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 1, Application US/10940360; Publication No. US20050137391A1; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ) OTHER INFORMATION: Novel Sequence US-10-940-360-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      19 AAAAAAAAAAAAAAAA 1
                                                                                                                                                                                                                                                                                                                          TYPE: DNA
ORGANISM: Artificial
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: DNA ORGANISM: Artificial
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-10-700-884-23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    RESULT 473
US-10-728-078-14
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Best Local Similarity 100.0
Matches 19; Conservative
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US-10-719-900-642313
SEQ ID NO 29731
LENGTH: 20
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US-10-831-901A-29731/c

Sequence 29731, Application US/10831901A

Publication No. US20050100895A1

Sequence 29731, Application US/10831901A

Publication No. US20050100895A1

APPLICANT: Crocke, Stanley T.

APPLICANT: Ecker, David J.

APPLICANT: Massire, Giristian

APPLICANT: Massire, Giristian

APPLICANT: Massire, Giristian

APPLICANT: Bennetr, Steven A.

APPLICANT: Bennetr, C. Frank

APPLICANT: Bennetr, C. Frank

APPLICANT: Bennetr, C. Frank

APPLICANT: Bennetr, C. Frank

TITLE OF INVENTION: Compositions And Methods For The Treatment Of Severe

TITLE REFERENCE: IS150083-100 (BICL0008US)

CURRENT FILING DATE: 2004-04-26

PRIOR FILING DATE: 2003-04-28

PRIOR FILING DATE: 2003-04-28

PRIOR FILING DATE: 2003-04-30

PRIOR APPLICATION NUMBER: 60/466,426

PRIOR APPLICATION NUMBER: 60/466,627

PRIOR APPLICATION NUMBER: 60/466,627

PRIOR APPLICATION NUMBER: 60/468,627

PRIOR PLING DATE: 2003-05-06

PRIOR PLING DATE: 2003-06-10

PRIOR APPLICATION NUMBER: 60/483,579

PRIOR PLING DATE: 2003-06-10

PRIOR APPLICATION NUMBER: 60/483,579

PRIOR PLING DATE: 2003-06-10

PRIOR APPLICATION NUMBER: 60/483,579

PRIOR PLING DATE: 2003-06-20

PRIOR APPLICATION NUMBER: 60/483,579

PRIOR PRIOR DATE: 2003-06-20

PRIOR APPLICATION NUMBER: 60/483,579

PRIOR APPLICATION NUMBER: 60/483,579

PRIOR PRIOR PLING DATE: 2003-06-20

NUMBER OF SEQ ID NOS: 3006-3

NUMBER PRIOR PLING DATE: 2003-06-20

NUMBER: PASSER DATE PLING DATE: 2003-06-20

NUMBER: PASSER DATE PLING DATE: 2003-06-20

NUMBER: PASSER DATE PLING DATE: 2003-06-20

PRIOR PRIOR PRIO
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0.4%; Score 19; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 3.1e+02;
Matches 19; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                             FILING DATE: 24-AUG-1990
APPLICATION NUMBER: 07/537,198
FILING DATE: 11-JUN-1990
APPLICATION NUMBER: 07/422,383
FILING DATE: 16-OCT-1989
ATTORNEY/ABENT INFORMATION:
NAME: Clough, David W
REGISTRATION NUMBER: 36,107
TELECOMUNICATION INFORMATION:
TELECHONE: 312/474-6300
TELEFAX: 312/474-6300
                                                 FILING DATE: 25-NOV-1992
APPLICATION NUMBER: 07/684,535
FILING DATE: 10-APR-1991
APPLICATION NUMBER: 09/589,701
FILING DATE: 10-OCT-1991
APPLICATION NUMBER: 07/573,616
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TOPOLOGY: linear

MOLECULE TYPE: DNA
SEQUENCE DESCRIPTION: SEQ ID NO: 33:
US-10-620-642-33
                  APPLICATION NUMBER: 07/982,255
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            5024 TAAAAAAAAAAAAAA 5042
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TELEX: «Unknown»
INFORMATION FOR SEQ ID NO: 33:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                19 TAAAAAAAAAAAAAA 1
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FEATURE:
OTHER INFORMATION: Synthetic nucleic acid sequence linking the promoter to the codin
OTHER INFORMATION: 9 region
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Sequence 642313/C

Sequence 642313/C

Publication No. UG20050026164A1

GENERAL INFORMATION:

APPLICANT: Xue Mei Zhou

ITLE OF INVENTION: Methods of Genetic Analysis of Mouse

FILE REFERENCE: 3528.1

CURRENT APPLICATION NUMBER: US/10/719,900

CURRENT FILING DATE: 2003-11-20

PRIOR FILING DATE: 2002 11 20

NUMBER OF SEQ ID NOS: 982914

SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1

SEQ ID NO 642313

LENGTH: 25

"LENGTH: 25
                                                                                                                                                                                                                                                                                                                                                                           Sequence 15, Application US/10469881

Publication No. US20040171824A1

GENERAL INFORMATION:
APPLICANT: The University of virginia Patent Foundation
APPLICANT: Scrable, Heidi J
APPLICANT: Cronin, Carolyn A
TITLE OF INVENTION: A Lac Operator-Repressor System
FILE REFERENCE: 00663-02
CURRENT PPLICATION NUMBER: US/10/469,881
CURRENT PPLICATION NUMBER: 60/281,322
PRIOR FILING DATE: 2001-04-04
PRIOR FILING DATE: 2001-03-05
NUMBER OF SEQ ID NOS: 20
NUMBER OF SEQ ID NOS: 20
SEQ ID NO 15
LENGTH: 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match 0.4%; Score 19; DB 1; Length 25; Best Local Similarity 100.0%; Pred. No. 3.88+02; Matches 19; Conservative 0; Mismatches 0; Indels
                                                                                                                               Length 20;
                                                                                                                                                                                0; Indels
                                                                                                                                    DB 1; Le
3.1e+02;
                                                                                                                               0.4%; Score 19; DB 100.0%; Pred. No. 3.1 tive 0; Mismatches
                                         FEATURE:
, OTHER INFORMATION: Antisense compound US-10-831-901A-29731
                                                                                                                                                                                                                               5025 AAAAAAAAAAAAAA 5043
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                                                                                                                                                                                                                                                                           19 AAAAAAAAAAAAAAA 1
TYPE: DNA ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: DNA ORGANISM: Artificial Sequence
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TYPE: DNA
ORGANISM: Mus musculus
US-10-719-900-899256
                                                                                                                                                                                                                                                                                                                                                         ORGANISM: Mus musculus US-10-719-900-899255
                                                                                                                                                                                                                                                                                                                                                                                                                                               Best Local Similarity
Matches 20; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-10-809-189-82442
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                                              Gaps
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                                                                                                                                                                                                                                        Sequence 61, Application US/10831778

PUblication No. US20040235774A1

GENERAL INFORMATION:
APPLICANT: Bratzler, Robert L.
APPLICANT: Petersen, Deanna M.
APPLICANT: Petersen, Deanna M.
APPLICANT: Fouron, Yves
TITLE OF INVENTION: Treatment of Asthma and Allergy
TITLE OF INVENTION: Treatment of Asthma and Allergy
CURRENT PILIOS DATE: 2004-04-23
PRIOR APPLICATION NUMBER: US/10/831,778
CURRENT PILIOS DATE: 2004-04-23
PRIOR APPLICATION NUMBER: US 60/179,991
PRIOR PELING DATE: 2000-02-03
NUMBER OF SEQ ID NOS: 1093

SOFTWARE FASTESEQ for Windows Version 3.0

LENGTH: 22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 516700, Application US/10719900
; Publication No. US20050026164A1
; GENERAL INFORMATION:
; APPLICANT: Xue Mei Zhou
; TITLE OP INVENTION: Methods of Genetic Analysis of Mouse
; TITLE OP INVENTION: Methods of Genetic Analysis of Mouse
; TITLE OP INVENTION: Methods of Genetic Analysis of Mouse
; TURRENT APPLICATION NUMBER: US/10/719,900
; CURRENT APPLICATION NUMBER: US/0427,808
; PRIOR APPLICATION NUMBER: 2002-11-20
; NUMBER OF SEQ ID NOS: 982914
; SEQ ID NO 516700
; LENGTH: 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0.4%; Score 18.8; DB 1; Length 22; 90.9%; Pred. No. 3.5e+02; tive 0; Mismatches 2; Indels
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  Length 25;
                                              0; Indels
Query Match 0.4%; Score 19; DB 1; L
Best Local Similarity 100.0%; Pred. No. 3.8e+02;
Matches 19; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 OTHER INFORMATION: Synthetic Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          5025 AAAAAAAAAAAAAAAAAAAA 5046
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1902 TGCTCTCGTCAAAGAGGTTCCT 1923
                                                                                        2132 CAAATGGAAATTATGACAC 2150
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                                                                                                                 21 CAAATGGAAATTATGACAC 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: DNA
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Best Local Similarity 90.99
Matches 20, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ; TYPE: DNA
; ORGANISM: Mus musculus
US-10-719-900-516700
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US-10-719-900-516700
                                                                                                                                                                                                                            US-10-831-778-61/c
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RESULT 480

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APPLICANT: Mel. Rul
APPLICANT: Send, Mel.Mel
APPLICANT: Kennedy, Giulia
TITLE OF INVENTION: Methods for Genotyping Polymorphisms in Humans
TITLE OF INVENTION: Methods for Genotyping Polymorphisms in Humans
FILE REFERENCE: 352.2
CURRENT APPLICATION NUMBER: US/10/681,773
CURRENT FILING DATE: 2002-05-14
PRIOR APPLICATION NUMBER: 60/470,475
PRIOR FILING DATE: 2002-05-14
PRIOR APPLICATION NUMBER: 60/417,190
PRIOR APPLICATION NUMBER: 60/417,190
PRIOR FILING DATE: 2002-10-08
NUMBER OF SEQ ID NOS: 124031
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
LENGTH: 25
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0.4%; Score 18.8; DB 1; Length 25;
Best Local Similarity 90.9%; Pred. No. 3.9e+02;
Matches 20; Conservative 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0.4%; Score 18.8; DB 1; Length 25; 90.9%; Pred. No. 3.9e+02; tive 0; Mismatches 2; Indels
                                                                                            Length 25;
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                                                                                                                                           Indels
                                                                                         0.4%; Score 18.8; DB 1;
90.9%; Pred. No. 3.9e+02;
tive 0; Mismatches 2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 185866, Application US/10719956
Publication No. US20040146910A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1690 CTGGTTATCTTGGTATCTGTTA 1711
                                                                                                                                                                                                                                                                                                                                                                        Sequence 63115, Application US/10681773; Publication No. US20040146890A1; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          2138 GAAATTATGACACAGAGCTCCA 2159
                                                                                                                                                                                                4096 TCAAGTCACTGTCATCCTTCCA 4117
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Best Local Similarity 90.9°
                                                                                                 Query Match 0.4%
Best Local Similarity 90.9%
Matches 20; Conservative
                       mus musculus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     , ORGANISM: Homo sapien
US-10-681-773-63115
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-10-719-956-185866
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; TYPE: DNA
; ORGANISM: mus mut
US-10-809-189-119803
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US-10-681-773-63115
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0.4%; Score 18.8; DB 1; Length 25;
Best Local Similarity 90.9%; Pred. No. 3.9e+02;
Matches 20; Conservative 0; Mismatches 2; Indels
                                                                                                                                                                                                                             Query Match
0.4%; Score 18.8; DB 1; Length 25;
Best Local Similarity 90.9%; Pred. No. 3.9e+02;
Matches 20; Conservative 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-10-809-189-108648

US-10-809-189-108648

Sequence 108648, Application US/10809189

Publication No. US20050048531A1

GENERAL INFORMATION:

APPLICANT: Mitchael Mittmann

APPLICANT: David Mack

APPLICANT: David Lockhart

CURRENT PILLYB OF INVENTION: Mathods of Genetic Analysis

FILE REFERENCE: 310.1.1

CURRENT APPLICATION NUMBER: US/09/396,196

PRIOR PILLNG DATE: 1999-09-15

PRIOR PILLNG DATE: 1999-09-15

NUMBER OF SEQ ID NOS: 127806

SOFTWARE: FastSEQ for Windows Version 4.0

SEQ ID NO 108648

LENGTH: 25

LENGTH: 25
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Sequence 119803, Application US/10809189
Publication No. US20050048531A1
GENERAL INFORMATION:
APPLICANT: Machiael Mittmann
APPLICANT: David Mack
APPLICANT: David Lockhart
APPLICANT: David Lockhart
APPLICANT: Affymetrix, Inc.
TITLE OF INVENTION: Methods of Genetic Analysis
FILE REFERENCE: 3101.1
CURRENT APPLICATION NUMBER: US/10/809,189
CURRENT APPLICATION NUMBER: US/09/396,196
PRIOR FILING DATE: 1999-09-15
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: 60/100,678
PRIOR FILING DATE: 1998-09-17
NUMBER OF SEQ ID NOS: 127806
SOFTWARE: FREESEQ for Windows Version 4.0
SEQ ID NO 119803
LENGTH: 25
PRIOR FILING DATE: 1998-09-17
NUMBER OF SEQ ID NOS: 127806
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 82442
LENGTH: 25
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ; ORGANISM: mus musculus
US-10-809-189-108648
                                                                                                                                                             ; ORGANISM: mus musculus
US-10-809-189-82442
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-10-809-189-119803
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ORGANISM:
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NUMBER OF SEQ ID NOS: 699466
SOFTWARE Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 643654
LENGTH: 25
                                                                                                                                                                                        Score 18.8; DB 1;
Pred. No. 3.9e+02;
0; Mismatches 2;
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; Publication No. US20040014085A1
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Best Local Similarity 90.9%;
Matches 20; Conservative
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                                                                                              ; TYPE: DNA
; ORGANISM: Rattus norvegicus
US-10-719-956-643654
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US-10-374-366-201
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                                                                                  US-10-719-956-455343/C

### Sequence 455343, Application US/10719956

### Sequence 455343, Application US/10719956

### Sequence 455343, Application US/10719956

### SERVERAL INVORMATION:
### TILLE NEPERBUCE: 3527.1

### CURRENT APPLICATION WUMBER: US/10/719,956

### CURRENT FILING DATE: 2003-11-20

### PRIOR PELING DATE: 2003-11-20

### RIOR PELING DATE: 2002 11 20

### NUMBER OF SEQ ID NOS: 699466

### SOFTWARE MICROARRAY Probe Sequence Listing Generator V 1.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 643653/C

Sequence 643653, Application US/10719956

Publication No. US2040146910A1

GENERAL INFORMATION:

APPLICANT: Xue Mei Zhou

TITLE OF INVENTION: Methode of Genetic Analysis of Rat

FILE REFERENCE: 3527.1

CURRENT APPLICATION NUMBER: US/10/719,956

CURRENT FILING DATE: 2003-11-20

PRIOR FILING DATE: 2002 11 20

NUMBER OF SEQ ID NOS: 699466

SOFTWARE MICTORARY Probe Sequence Listing Generator V 1.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0.4%; Score 18.8; DB 1; Length 25; 90.9%; Pred. No. 3.98+02; tive 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        2; Indels
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Publication No. US20040146910A1
GENERAL INFORMATION:
APPLICANT: Xue Mei Zhou
TITLE OF INTENTION: Methods of Genetic Analysis of Rat
FILE REFERENCE: 3527.1
CURRENT APPLICATION NUMBER: US/10/719,956
CURRENT FILING DATE: 2003-11-20
PRIOR FILING DATE: 2002 11 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 18.8; DB 1;
Pred. No. 3.9e+02;
0; Mismatches 2;
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CTGCTTATCTTGGCATCTGTTA 24
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Best Local Similarity 90.9%;
Matches 20; Conservative (
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; ORGANISM: Rattus norvegicus
US-10-719-956-643653
                                                                                                                                                                                                                                                                                                                                                                                                                                                          ; TYPE: DNA; ORGANISM: Rattus norvegicus
US-10-719-956-455343
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Matches 20; Conservative
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US-10-719-956-643654/c
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LENGTH: 25
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APPLICANT: Crooke, Stanley T.
APPLICANT: Crooke, Stanley T.
APPLICANT: Ecker, David J.
APPLICANT: Ecker, David J.
APPLICANT: Ecker, David J.
APPLICANT: Sampath, Rangarajan
APPLICANT: Massire Christian
APPLICANT: Swayze, Eric
A
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US-10-831-901A-29730/c
; Sequence 29730, Application US/10831901A
; Publication No. US20050100885A1
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CTHER INFORMATION: Antisense compound US-10-831-901A-29730
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Publication No. US20040214221A1
GENERAL INFORMATION:
GENERAL INFORMATION:
TITLE OF INVENTION: High density labeling of DNA with modified or
TITLE OF INVENTION: "chromophore" carrying nucleotides and DNA polymerases
TITLE OF INVENTION: used
FILE REFERENCE: 4780/00/WO
CURRENT APPLICATION NUMBER: US/10/849,072
CURRENT PILING DATE: 2004-05-19
NUMBER OF SEQ 1D NOS: 26
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Sequence 21, Application US/10849072

Sequence 21, Application US/10849072

Sequence 21, Application US/10849072

Sequence 21, Application US/10849072

Sequence 21, Application US.2004021421A1

GENERAL INFORMATION:

APPLICANT: Roche Diagnostics GmbH

TITLE OF INVENTION: "chromophore" carrying nucleotides and DNA polymerases

TITLE OF INVENTION: used

FILE REFERENCE: 4780/00/WO

CURRENT FILING DATE: 2004-05-19

NUMBER OF SEQ ID NOS: 26

SOFUTANE: Patentin Ver. 2.1

SEQ ID NO 21

LENGTH: 18
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APPLICANT: Tang, Xiao-Song
APPLICANT: Milano, Joseph
TITLE OF INVENTION: METHOD FOR THE RECOMBINATION OF GENETIC ELEMENTS
FILE REFERENCE: CL1794 US NA
CURRENT FILLING DATE: 2003-02-26
PRIOR APPLICATION NUMBER: 0/360,279
PRIOR APPLICATION NUMBER: 2002-02-26
NUMBER OF SEQ ID NOS: 203
SOFTWARE: Parentin version 3.2
SOFTWARE: Parentin version 3.2
LENGTH: 24
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US-10-849-072-21
                                                                                                                                                                                                                                                                                                                                                                        Score 18.4; DB 1; Length 24;
Pred. No. 4e+02;
0; Mismatches 1; Indels
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                                                                                                                                                                                                                                                                                           TYPE: DNA; CRGANISM: Rhodosporidium glutinis
US-10-374-366-201
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Best Local Similarity 95.0%;
Matches 19; Conservative (
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Sequence 939, Application US/10831778

Publication No. US2004023574A1

GENERAL INFORMATION:

APPLICANT: Bratzler, Robert L.

APPLICANT: Petersen, Deanna M.

TILLE OF INVENTION: Immunostimulatory Nucleic Acids for the TILLE OF INVENTION: Treatment of Asthma and Allergy FILE REFERENCE: C1037/7013 (HCL/MAT)

CURRENT APPLICATION NUMBER: US/10/831,778

CURRENT FILING DATE: 2004-04-23

PRIOR PAPLICATION NUMBER: US 60/179,991

PRIOR PILING DATE: 2000-02-03

NUMBER OF SEQ ID NOS: 1093

SOFTWARE: FastSEQ for Windows Version 3.0

FENCENTION 939
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US-10-831-778-913/c

Sequence 913, Application US/10831778

Sequence 913, Application US/10831778

Sequence 913, Application US/2040235774A1

GENERAL INFORMATION:

APPLICANT: Petersen, Deanna M.

APPLICANT: Petersen, Deanna M.

TITLE OF INVENTION: Immunostimulatory Nucleic Acids for the TITLE OF INVENTION: Treatment of Asthma and Allergy FILE REFERENCE: C1037/7013 (HCL/MAT)

CURRENT APPLICATION NUMBER: US 60/179,991

PRIOR FILING DATE: 2000-02-03

NUMBER OF SEQ ID NOS: 1093

SOPTWARE: FastSEQ for Windows Version 3.0

LENGTA: 18
; TYPE: DNA; ORGANISM: Artificial Sequence; FRATURE: , CTHER INFORMATION: Description of Artificial Sequence: second; OTHER INFORMATION: fragment of SEQ ID NO: 6
US-10-849-072-23
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0.4%; Score 18; DB 1; Length 18;
Best Local Similarity 100.0%; Pred. No. 3.38+02;
Matches 18; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ; OTHER INFORMATION: Synthetic Sequence US-10-831-778-913
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ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
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JS-10-776-917-141/c
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| Publication No. US20040241717A1
| GENERAL INFORMATION |
| APPLICANT: HANSEN |
| APPLICANT: HANSEN |
| APPLICANT: WESTERGAARD, MAJKEN |
| APPLICANT: PETERSEN, KAMILLE DUMONG |
| APPLICANT: PETERSEN, KAMILLE DUMONG |
| APPLICANT: WISSENBACH, MARGIT |
| TITLE OF INVENTION: GLIGOMERIC COMPOUNDS FOR THE MODULATION OF THIOREDOXIN |
| TITLE OF INVENTION: GLIGOMERIC COMPOUNDS FOR THE MODULATION OF THIOREDOXIN |
| TITLE OF INVENTION: GLIGOMERIC COMPOUNDS FOR THE MODULATION OF THIOREDOXIN |
| FILE REFERENCE: 58614(71432) |
| CURRENT FILING DATE: 2004-02-10 |
| PRIOR PELING DATE: 2003-02-10 |
| NUMBER OF SEC ID NOS: 150 |
| SOFTWARE: PALENTIN VET: 3.2 |
| LENGTH: 18
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                                                                                                       Gaps
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                                                  Query Match 0.4%; Score 18; DB 1; Length 18; Best Local Similarity 100.0%; Pred. No. 3.3e+02; Matches 18; Conservative 0; Mismatches 0; Indels
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0.4%; Score 18; DB 1; Length 18;
Best Local Similarity 100.0%; Pred. No. 3.3e+02;
Matches 18; Conservative 0; Mismatches 0; Indels
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APPLICANT: Chen, Jianzhu
APPLICANT: Ge, Qing
APPLICANT: Ge, Qing
APPLICANT: Bisen, Herman
TITLE OF INVENTION: Influenza Therapeutic
FILE REFERENCE: 0492611-0506
CURRENT APPLICATION NUMBER: US/10/674,159A
CURRENT FILING DATE: 2003-09-29
NUMBER OF SEQ ID NOS: 271
SOFTWARE: Patentin version 3.2
LENGTH: 18
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; Publication No. US20040242518A1
; GENERAL INFORMATION:
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ORGANISM: Artificial Sequence
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ORGANISM: Artificial Seguence
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US-10-776-933-150/c
US-10-831-778-939
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; OTHER INFORMATION: this sequence may encompass 12-18 nucleotides according to the ; OTHER INFORMATION: specification as filed US-10-776-917-141
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APPLICANT: HANSEN, BO
APPLICANT: HANSEN, CHARLOTTE ALBAEK
APPLICANT: HANSEN, MAJKEN
APPLICANT: WESTERGAARD, MAJKEN
APPLICANT: WISSENBACH, MARGIT
TITLE OF INVENTION: OLIGOMERIC COMPOUNDS FOR THE MODULATION OF RAS EXPRESSION
FILE REPERENCE: 58609 (71432)
CURRENT APPLICATION NUMBER: US/10/76,917
CURRENT PILING DATE: 2004-02-10
PRIOR PILING DATE: 2003-01539
PRIOR PILING DATE: 2003-10-20
NUMBER OF SEQ ID NOS: 201
SOFTWARE: PATENTIN VET: 3.2
LENGTH: 18
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APPLICANT Lin, Ching-I Bruce
Cosman, Jeffrey
French, Cynthia
TITLE OF INVENTION: Lyophilization of Cultured Human Cells
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  Length 18;
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
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ADDRESSEE: Townsend and Townsend and Crew LLP STREET: Two Embarcadero Center, Eighth Floor
Query Match

0.4%; Score 18; DB 1; Le
Best Local Similarity 100.0%; Pred. No. 3.3e+02;
Matches 18; Conservative 0; Mismatches 0;
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Outlier 18; DB
Best Local Similarity 100.0%; Pred. No. 3.3
Matches 18; Conservative 0; Mismatches
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                                                                                                                                                                                                                                                                     Sequence 141, Application US/10776917
Publication No. US20040248840A1
GENERAL INFORMATION:
                                                                                               5025 AAAAAAAAAAAAAAAA 5042
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Publication No. US20040265786A1
GENERAL INFORMATION:
                                                                                                                                                18 AAAAAAAAAAAAAA 1
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STATE: California
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ORGANISM: Artificial sequence
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APPLICANT: HANSEN, BO
APPLICANT: THRUE, CHRLOTTE ALBAEK
APPLICANT: HANSEN, MAJKEN
APPLICANT: PHETERGAARD, MAJKEN
APPLICANT: PETERSEN, KAMILLE DUMONG
APPLICANT: WISSENBACH, MASCIT
TITLE OF INVENTION: OLIGOMERIC COMPOUNDS FOR THE MODULATION OF SURVIVIN EXPRESSION
TITLE OF INVENTION: OLIGOMERIC COMPOUNDS FOR THE MODULATION OF SURVIVIN EXPRESSION
FILE REPERENCE: 58610 (714.32)
CURRENT APPLICATION NUMBER: US/10/776,934
CURRENT FILING DATE: 2003-02-10
PRIOR FILING DATE: 2003-02-10
PRIOR FILING DATE: 2003-11-19
NUMBER OF SEQ ID NOS: 741
SOGTWARE: PATCHEN VERSION 3.2
SEQ ID NO 741
LENGTH: 18
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| Sequence 24, Application No. US20050053942A1
| Sequence 24, Application No. US20050053942A1
| GENERAL INFORMATION:
| APPLICANT: KAUPPINEN, SAKARI
| TITLE OF INVENTION: WETHOODS AND SYSTEMS FOR DETECTION AND ISOLATION OF A
| TITLE OF INVENTION: WUCLECTIDE SEQUENCE
| FILE REFERENCE: 57764(71994)
| CURRENT APPLICATION NUMBER: US/10/601,140A
| CURRENT PLING DATE: 2003-06-20
| PRIOR FILING DATE: 2003-06-24
| PRIOR FILING DATE: 2002-06-24
| NUMBER OF SEQ ID NOS: 45
| SEQ ID NOS: 45
| SEQ ID NOS 44
| ID NO 24
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OTHER INFORMATION: this sequence may encompass 12-18 nucleotides
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100.0%; Pred. No. 3.3e+02;
iive 0; Mismatches 0;
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3.3e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match 0.4%; Score 18; DB Best Local Similarity 100.0%; Pred. No. 3.3 Matches 18; Conservative 0; Mismatches
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                                     Sequence 741, Application US/10776934 Publication No. US20050014712A1
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Best Local Similarity
Matches 18; Conserva
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                FEATURE:
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100.0%; Pred. No. 3.3e+02;
ive 0; Mismatches 0; Indels
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       PRIOR PAPELICATION NUMBER: US/10/766,096
FILING DATE: 27-Jan-2004
CLASSIPRICATION: 435
PRIOR APPLICATION NUMBER: US/08/884,029
FILING DATE: 27-JUN-1997
ATTORNEY/AGBNT INFORMATION:
NAME: PARENCE, Annette S.
REGISTAATION NUMBER: 42,058
REFERENCE, DOCKET NUMBER: 02558B-059100US
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECAX, (415) 576-0200
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
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100.0%; Pred. No. 3.3e+02;
tive 0; Mismatches 0;
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LOCATION: 13..18
OTHER INFORMATION: /mod_base= OTHER
/note= "t at positions 13.18 may be
present or absent"
SEQUENCE DESCRIPTION: SEQ ID NO: 9:
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; Sequence 10, Application US/10638141
; Publication No. US20050003364A1
; GENERAL INFORMATION:
   APPLICANT: Stanton, Lawrence W.
   APPLICANT: Stapoun, Ann Marie
   TITLE OF INVENTION: SECRETED FACTORS
   FILE REFERENCE: SCIOS.013A
; CURRENT APPLICATION NUMBER: US/09/665,728
   PRIOR APPLICATION NUMBER: US/09/665,728
   PRIOR APPLICATION NUMBER: 60/156,777
   PRIOR FILING DATE: 1999-09-27
; NUMBER OF SEQ ID NOS: 19
; SCOTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 10
; LEWATH: 18
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TYPE: nucleic acid
STRANDEDNESS: single
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CURRENT APPLICATION DATA:
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Matches 18; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                   TOPOLOGY: linear MOLECULE TYPE: DNA
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Query Match
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APPLICANT: Fu, Jin
APPLICANT: Gaetani, Silvana
APPLICANT: Gaetani, Silvana
APPLICANT: Gaetani, Silvana
APPLICANT: Pionalli, Daniele
APPLICANT: The Regents of the University of California
TITLE OF INVENTION: Compounds, Compositions and Treatments of
TITLE OF INVENTION: Oleoylethanolamide-Like Modulators of PPARalpha
FILE REFERENCE: 20207E-133310US
CURRENT APPLICATION NUMBER: US 60/279,542
PRIOR PLICATION NUMBER: US 60/279,542
PRIOR FILING DATE: 2001-03-27
PRIOR PLING DATE: 2001-03-27
PRIOR PLING DATE: 2001-10-31
PRIOR PLING DATE: 2002-03-27
PRIOR APPLICATION NUMBER: US 60/485,062
PRIOR PLING DATE: 2002-03-27
PRIOR PLING DATE: 2002-03-27
PRIOR PLING DATE: 2002-03-27
PRIOR APPLICATION NUMBER: US 60/485,062
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Publication No. US20050081264A1
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Brugliera, Filippa
APPLICANT: Holton, Timothy A.
APPLICANT: Michael, Michael Z.
TITLE OF INVENTION: GENETIC SEQUENCES ENCODING FLAVONOID PATHWAY ENZYMES
TITLE OF INVENTION: AND USES THEREFOR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FEATURE:
OTHER INFORMATION: Description of Artificial Sequence:Oligo(dT)-12-18
OTHER INFORMATION: primer for reverse transcription of total RNA
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CURRENT APPLICATION NUMBER: US/10/669,962
CURRENT FILING DATE: 2003-09-24
PRIOR APPLICATION NUMBER: US/09/142,108C
PRIOR FILING DATE: 1998-09-01
PRIOR PILING DATE: 1998-09-01
PRIOR PILING DATE: 1998-09-01
NUMBER: PRIOR FILING DATE: 1996-03-01
NUMBER: PECO ID NOS: 45
SEO ID NO 27
LENTH: 18
                                                                                                                                                   ; Sequence 2, Application US/10884617; Publication No. US20050054730A1; GENERAL INFORMATION:
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18 AAAAAAAAAAAAAA 1
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ORGANISM: Artificial Sequence
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US-10-669-962-27/c
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Sequence 1, Application US/10503120
Publication No. US20050142535A1
GENERAL INFORMATION:
APPLICANT: MCGATIL UNIVERSITY ET AL.
TITLE OF INVENTION: OLIGONUCLEOTIDES COMPRISING ALTERNATING SEGMENTS AND USES THEREOF FILE REPRENCE: 88207-63
CURRENT APPLICATION NUMBER: US/10/503,120
CURRENT FILING DATE: 2004-07-30
CURRENT FILING DATE: 2002-02-01
NUMBER OF SEQ ID NOS: 22
SOFTWARE: PALENTIN VERSION 3.1
SEQ ID NO 1
LENGTH: 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 8, Application Us/10503120

Publication No. US20050142535A1

GENERAL INFORMATION:

TITLE OF INVENTION: OLIGONUCLEOTIDES COMPRISING ALTERNATING SEGMENTS AND USES THEREOF

TITLE OF INVENTION: OLIGONUCLEOTIDES COMPRISING ALTERNATING SEGMENTS AND USES THEREOF

TITLE OF INVENTION NUMBER: US/10/503,120

CURRENT APPLICATION NUMBER: US 60/352,873

PRIOR PELICATION NUMBER: US 60/352,873

PRIOR PELICATION NUMBER: US 60/352,873

PRIOR FILING DATE: 2002-02-01

NUMBER OF SEQ ID NOS: 22

SOFTWARE: Petentin version 3.1

SEQ ID NO 8

LENGTH: 18
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LOCATION: (1). (17)
OTHER INFORMATION: Residues 1, 3, 5, 7, 9, 11, 13, 15 and 17 are 2'-O-methyl-D-uridi
OTHER INFORMATION: ne
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; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:oligonucleotide
US-10-669-962-27
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                                                                                                     DB 1; Length 18;
3.3e+02;
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0.4%; Score 18; DB 1; L
Best Local Similarity 100.0%; Pred. No. 3.3e+02;
Matches 18; Conservative 0; Mismatches 0;
                                                                                                  Query Match 0.4%; Score 18; DB Best Local Similarity 100.0%; Pred. No. 3.3 Matches 18; Conservative 0; Mismatches
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; OTHER INFORMATION: Oligonucleotide
US-10-503-120-1
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Length 18;

0.4%; Score 18; DB 1; Lo 100.0%; Pred. No. 3.3e+02;

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RESULT 509
US-10-503-120-21
Sequence 21, Application US/10503120
; Publication No. US20050142535A1
; General INFORMATION:
GARBERAL INFORMATION:
TITLE OF INVENTION: OLIGONUCLEOTIDES COMPRISING ALTERNATING SEGMENTS AND USES THEREOF
; FILE REFERENCE: B5827-63
; CURRENT FILING DATE: 2004-07-30
; CURRENT FILING DATE: 2002-01
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 21
; LENGTH: 18
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100.0%; Pred. No. 3.3e+02;
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0.4%; Score 18; DB 1; Lv
Best Local Similarity 100.0%; Pred. No. 3.3e+02;
Matches 18; Conservative 0; Mismatches 0;
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US-10-503-120-21
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; Bequence 10, Application US/10775973
; Publication No. US20050158729A1
; GENERAL INFORMATION:
; APPLICANT: Stanton, Lawrence W.
; APPLICANT: Kapoun, Ann Marie
; TITLE OF INVENTION: SECRETED FACTORS
; FILE REFERENCE: SCIOS.014
; CURRENT APPLICATION NUMBER: US/10/775,973
; CURRENT FILING DATE: 2004-02-09
; PRIOR APPLICATION NUMBER: 60/156,280
; PRIOR APPLICATION NUMBER: 60/156,280
; PRIOR APPLICATION NUMBER: 60/156,280
; PRIOR FILING DATE: 1999-09-27
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 10
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US-11-024-428-7/c
; Sequence 7, Application US/11024428
; Publication No. US20050106676A1
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18 AAAAAAAAAAAAAA 1
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Best Local Similarity 100.0
Matches 18; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: RNA
ORGANISM: Artificial
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                                                                                                                                                       GENERAL INFORMATION:
GENERAL INFORMATION:
TITLE OF INVENTION OLIGONUCLEOTIDES COMPRISING ALTERNATING SEGMENTS AND USES THEREOF
FILE REFERENCE: 85827-63
CURRENT PAPLICATION NUMBER: US 10/503,120
CURRENT FILING DATE: 2004-07-30
PRIOR APPLICATION NUMBER: US 60/352,873
PRIOR APPLICATION NUMBER: US 60/352,873
NUMBER OF SEQ ID NOS: 22
SOFTWARE: Patentin version 3.1
SEQ ID NO 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 10, Application US/10503120
Publication No. US20050142535A1
Sequence 10. Application No. US20050142535A1
APPLICANT: WCGILL UNIVERSITY ET AL.
TITLE OF INVENTION: OLIGONUCLEOTIDES COMPRISING ALTERNATING SEGMENTS AND USES THEREOF
FILE REFERENCE: 86827-63
CURRENT APPLICATION NUMBER: US/10/503,120
CURRENT APPLICATION NUMBER: US 60/352,873
PRIOR FILING DATE: 2004-07-30
NUMBER OF SEQ ID NOS: 22
NUMBER OF SEQ ID NOS: 22
SOOTWARE: Patentin version 3.1
SEQ ID NO 10
LENGTH: 18
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0; Gaps
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         Gaps
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LOCATION: (1). (1). (18)
OTHER INFORMATION: Residues 1-6 and 13-18 are 2'-0-methyl-D-uridine
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              / Match 0.4%; Score 18; DB 1; Length 18; Local Similarity 100.0%; Pred. No. 3.3e+02; No. 18; Conservative 0; Mismatches 0; Indels
         0; Indels
         0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      OTHER INFORMATION: Oligonucleotide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                OTHER INFORMATION: Oligonucleotide
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           Conservative
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ORGANISM: Artificial
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             18;
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Matches
             Matches
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APPLICANT: KURODA, KYOKKO

APPLICANT: NAKAJIWA, TERUMI

TITLE OF INVENTION: NOVEL PROCTEINS HAVING HEMOLYTIC ACTIVITY AND GENES

TITLE OF INVENTION: NOVEL PROCTEIN

TITLE OF INVENTION: SCOLIUS

TITLE OF INVENTION: SCOLIUS

TITLE OF INVENTION: SCOLIUS

CURRENT APPLICATION NUMBER: US/11/024,428

CURRENT APPLICATION NUMBER: US/09/979,275

PRIOR PLING DATE: 2003-055-27

PRIOR PLILING DATE: 2001-03-21

PRIOR FILING DATE: 2001-03-21

PRIOR FILING DATE: 2001-03-21

PRIOR FILING DATE: 2000-03-21

NUMBER OF SEQ ID NOS: 12

SCOTTANEED
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  OTHER INFORMATION: Description of Artificial Sequence: Synthetic OTHER INFORMATION: oligonucleotide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FEATURE:

OTHER INFORMATION: this sequence may encompass 12-18 nucleotides
US-11-024-428-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         / Match 0.4%; Score 18; DB 1; Length 18; Local Similarity 100.0%; Pred. No. 3.3e+02; Ne 18; Conservative 0; Mismatches 0; Indels
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APPLICANT: KALTA, NALITH
TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR
TITLE OF INVENTION: MAPLIFICATION OF RNA SEQUENCES
FILE REPERENCE: 492692000500
CURRENT APPLICATION NUMBER: US/10/913,246
CURRENT FILING DATE: 2004-08-05
PRIOR PILING DATE: 2004-08-05
PRIOR PILING DATE: 2004-03-01
PRIOR PILING DATE: 2001-03-09
NUMBER OF SEQ ID NOS: 25
SOFTWARE: PASTEEQ for Windows Version 4.0
SEQ ID NO 22
LENGTH: 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ; Sequence 22, Application US/10913246; Publication No. US20050003441A1; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ; OTHER INFORMATION: n = A,T,C or G
US-10-913-246-22
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ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: DNA
ORGANISM: Artificial Seguence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           OTHER INFORMATION: Primer
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LOCATION: 1
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LENGTH: 18
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Matches
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MS-10-620-642-32/c

| Sequence 32, Application US/10620642
| Publication No. US20050080250A1
| GENERAL INFORMATION:
| GENERAL INFORMATION:
| Boselman, Robert A. Suggs, Sidney V. Martin, Francis H.
| TITLE OF INVENTION: Stem Cell Factor NUMBER OF SEQUENCES: 104
| CORRESPONDENCE ADDRESS: 104
| CORRESPONDENCE MARSHAB11, O'Toole, Gerstein, Murray & Borun STREET: 6300 Sears Tower, 233 South Wacker Drive
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STATE: Illinois
COUNTX: United States of America
ZIP: 60606-6402
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 19;
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                                                                     APPLICANT KUTA, NUTITH
TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR
TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR
TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR
CURRENT APPLICATION NUMBER: US/10/934,890
CURRENT FILING DATE: 2004-09-03
PRIOR APPLICATION NUMBER: US/10/100,321
PRIOR FILING DATE: 2002-03-11
PRIOR APPLICATION NUMBER: US 60/274,550
PRIOR APPLICATION NUMBER: US 60/274,550
NUMBER OF SEQ ID NOS: 25
SOFTWARE: FRASEQ FOR WINDOWS Version 4.0
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3.5e+02;
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0.4%; Score 18; DB
Best Local Similarity 100.0%; Pred. No. 3.5
Matches 18; Conservative 0; Mismatches
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FILING DATE: 16-Jul-2003
CLASSIFICATION: <UNKNOWN>
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APPLICATION NUMBER: 09/635,249
FILING DATE: 07-AUG-2000
APPLICATION NUMBER: 09/486,546
Sequence 22, Application US/10934890
Publication No. US20050014192A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; OTHER INFORMATION: n = A, T, C or G
US-10-934-890-22
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                                                                                                                                                                                                                                                                                                                                                                                SEQ ID NO 22
LENGTH: 19
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Primer
FEATURE:
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APPLICANT: Wyeth APPLICANT: Wyeth APPLICANT: Wyeth APPLICANT: Wyeth APPLICANT: Liu, Weit APPLICANT: ON AMAINST APPLICANT: ON AMAINST APPLICANT: ON AMAINST APPLICANT: WOMER: US/10/786,720 CURRENT APPLICANT: NOWS: 21135 SOFTWARE: Patentin version 3.2 SEQ ID NO 113 LENGTH: 21
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Best Local Similarity 90.5%; Pred. No. 4e+02;
Matches 19; Conservative 0; Mismatches 2;
                                                                                                                                                                                                                                                                                                                                                                                                                                      01017/35199
                                                        APPLICATION NUMBER: 07/982,255
FILING DATE: 21-DEC-1993
APPLICATION NUMBER: 07/982,255
FILING DATE: 10-APR-1991
APPLICATION NUMBER: 07/684,535
FILING DATE: 10-APR-1991
APPLICATION NUMBER: 07/573,616
FILING DATE: 10-CCT-1991
APPLICATION NUMBER: 07/573,198
FILING DATE: 11-UTN-1990
APPLICATION NUMBER: 07/422,383
FILING DATE: 11-CTN-1990
APPLICATION NUMBER: 07/422,383
FILING DATE: 10-CCT-1989
APPLICATION NUMBER: 07/422,383
FILING DATE: 10-CCT-1989
ATTONEY/AGENT INFORMATION:
NAME: Clough, David W.
REFERENCE/DOCKET NUMBER: 01017/35
TELERCOMMUNICATION NUMBER: 36,107
TELERCOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       DESCRIPTION: SEQ ID NO: 34:
  APPLICATION NUMBER: 09/486,546
FILING DATE: 24-MAY-1995
APPLICATION NUMBER: 08/172,329
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 113, Application US/10786720 Publication No. US20040191818A1 GENERAL INFORMATION:
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SEQUENCE CHARACTERISTICS:
LENGTH: 20 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TELEFAX: 312/474-0448
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STRANDEDNESS: singl
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ORGANISM: RNAi-sense strand
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Best Local Similarity 100.0
Matches 18; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               MOLECULE TYPE: DNA
SEQUENCE DESCRIPTION
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US-10-786-720-113/c
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ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun STREET: 6300 Sears Tower, 233 South Wacker Drive CITY: Chicago
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ö
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COUNTRY: United States of America
COUNTRY: United States of America
ZIP: 60606-6402
COMPUTER READBLE FORM:
MUDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
CONTWARE: Patentin Release #1.0, Version #1.30
CURSOT APPLICATION DATA:
APPLICATION NUMBER: US/10/620,642
FILING DATE: 16-Jul-2003
CLASSIFCATION: «Unknown»
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match 0.4%; Score 18; DB 1; Length 20; Best Local Similarity 100.0%; Pred. No. 3.78+02; Matches 18; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                     NAME: Clough, David W.
REGISTRATION NUMBER: 36,107
REFERENCE/COCKET UNDER: 01017/35199
TELECOMMUNICATION INFORMATION:
TELEPHONE: 312/474-6300
TELEPRAX: 312/474-0448
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICATION NUMBER: US/10/175,608
FILING DATE: 16-Oct-2002
APPLICATION NUMBER: 09/635,249
                                                                                                     FILING DATE: 10-APR-1991
APPLICATION NUMBER: 09/589,701
FILING DATE: 10-OCT-1991
APPLICATION NUMBER: 07/573,616
FILING DATE: 24-AUG-1990
APPLICATION NUMBER: 07/537,198
FILING DATE: 11-UN-1990
APPLICATION NUMBER: 07/422,383
FILING DATE: 11-OW-1989
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SEQUENCE DESCRIPTION: SEQ ID NO: 32:
US-10-620-642-32
                     FILING DATE: 21-DEC-1993
APPLICATION WUMBER: 07/982,255
FILING DATE: 25-NOV-1992
APPLICATION NUMBER: 07/684,535
08/172,329
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SEQUENCE CHARACTERISTICS:
LENGTH: 20 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TELEX: <Unknown>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TOPOLOGY: linear
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; OTHER INFORMATION: synthetic US-10-374-686-4
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US-10-712-795-850

Sequence 850, Application US/10712795

Publication No. US20040214325A1

GENERAL INFORMATION:

APPLICANT: Crooke et al.

TITLE OF INVENTION: ANTIERNE MODULATION OF APOLIPOPROTEIN B EXPRESSION

FILE REFERENCE: 30566/39662

CURRENT APPLICATION NUMBER: US/07/12,795

CURRENT PILING DATE: 2003-11-13

PRIOR APPLICATION NUMBER: PCT/US03/15493

PRIOR APPLICATION NUMBER: PCT/US03/15493

PRIOR PILING DATE: 2003-05-13

NUMBER OF SEQ ID NOS: 892

LENGTH: 20
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| Publication No. US2005009088A1
| GENERAL INFORMATION:
| APPLICATION NO. US2005009088A1
| TITLE OF INVENTION: ANTISENSE MODULATION OF APOLIPOPROTEIN B EXPRESSION
| TITLE OF INVENTION: ANTISENSE MODULATION OF APOLIPOPROTEIN B EXPRESSION
| TITLE OF INVENTION: ANTISENSE WS/10/920,612
| FILE REPRENT APPLICATION NUMBER: US/10/920,612
| PRIOR APPLICATION NUMBER: US/10/920,612
| PRIOR FILLING DATE: 2003-11-15
| PRIOR FILLING DATE: 2003-11-15
| PRIOR PILLING DATE: 2003-11-13
| PRIOR FILLING DATE: 2003-11-13
| NUMBER OF SEQ ID NOS: 892
| LENGTH: 20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           , OTHER INFORMATION: Antisense Oligonucleotide US-10-712-795-850
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              , OTHER INFORMATION: Antisense Oligonucleotide
US-10-920-612-850
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-10-831-901A-29729/c
; Sequence 29729, Application US/10831901A
; Publication No. US20050100885A1
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        2903 TGACAGAGGAAGAGGAAGA 2921
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           2903 TGACAGAGGAAGAGA 2921
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                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: DNA ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ORGANISM: Artificial Sequence
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-10-920-612-850
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APPLICANT: Suspacu, APPLICANT: Suspacu, APPLICANT: Prejer, Susan M.
APPLICANT: Massire, Christian
APPLICANT: Massire, Christian
APPLICANT: Howery, Kristin Sannes
APPLICANT: Lowery, Kristin Sannes
APPLICANT: Swayze, Eric
APPLICANT: Bareria F.
APPLICANT: Subject F.

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GENERAL INFORMATION:
APPLICANT: Calame, Michel
APPLICANT: Libchaber, Albert
TITLE OF INVENTION: Methods Employing Fluorescent Quenching
TITLE OF INVENTION: Methods Employing Pluorescent Quenching
TITLE OF INVENTION: Methods Employing Pluorescent
TITLE OF INVENTION: Methods Employing Pluorescent
TITLE OF INVENTION: Methods Employing Pluorescent
FILE OF INVENTION: Methods Employing Pluorescent
FILE OF INVENTION: by Metal Surfaces
FILE REFERENCE: 600-1-260PCTUS
CURRENT APPLICATION NUMBER: US/10/374,686
FRIOR FILING DATE: 2001-08-29
FRIOR FILING DATE: 2000-08-29
FRIOR FILING DATE: 2000-08-29
FRIOR FILING DATE: 2001-03-30
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Pred. No. 4.1e+02;
0; Mismatches 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ; OTHER INFORMATION: Antisense compound US-10-831-901A-29729
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   5025 AAAAAAAAAAAAAAAA 5043
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Best Local Similarity 94.7%;
Matches 18; Conservative (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: DNA ORGANISM: Artificial Sequence FEATURE:
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ORGANISM: Artificial Sequence
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US-10-361-002-33/c
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Publication No. US20040203141A1
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Dubcovsky, Jorge
TITLE OF INVENTION: THE VERNALIZATION RESPONSE AND FLOWERING TIME IN GRASSES
TITLE OF INVENTION: THE VERNALIZATION RESPONSE AND FLOWERING TIME IN GRASSES
TITLE OF INVENTION: USE OF THE API GENE PROMOTER TO CONTROL
TITLE OF INVENTION: THE VERNALIZATION RESPONSE AND FLOWERING TIME IN GRASSES
CURRENT APPLICANION NUMBER: US/10/412,137
CURRENT FILING DATE: 2003-04-11
NUMBER OF SEQ ID NOS: 59
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 34
LENGTH: 22
LENGTH: 22
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US-10-723-947-34/C

Sequence 34, Application US/10723947

Publication No. US20040205848A1

Publication No. US20040205848A1

APPLICANT: Dubcovsky, Jorge

APPLICANT: Pan, Luluing

TITLE OF INVENTION: RECULATION IN TEMPERATE GRASSES AND USES THEREOF

TITLE OF INVENTION: RECULATION IN TEMPERATE GRASSES AND USES THEREOF

TITLE OF INVENTION NUMBER: US/10/723,947

CURRENT APPLICATION NUMBER: US/10/723,947

CURRENT FILING DATE: 2003-04-11

NUMBER OF SEQ ID NOS: 159

SOUTH NOS: 159

SEQ ID NO 34

LENGTH: 22
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Length 21;
                                            1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1; Indels
  0.3%; Score 17.4; DB 1;
94.7%; Pred. No. 4.2e+02;
iive 0; Mismatches 1;
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0.3%; Score 17.4; DB 1;
Best Local Similarity 94.7%; Pred. No. 4.4e+02;
Matches 18; Conservative 0; Mismatches 1;
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                                                                                                                                2 AAAAAAACAAAAAAACTCG 20
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ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
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Best Local Similarity 94.7
Matches 18; Conservative
    Query Match
Best Local Similarity 94.7
Matches 18; Conservative
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COTHER INFORMATION: Primer
US-10-723-947-34
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Sequence 808, Application US/09263959
; Sequence 808, Application US/09263959
; Patent No. US20020150891A1
; GENERAL INFORMATION:
; APPLICANT: Hood, Leroy E.
; APPLICANT: Koop, Ben F.
; TITLE OF INVENTION: DIAGNOSTIC AND THERAPEUTIC COMPOSITIONS AND METHODS WHICH UTI TUMBER OF SEQUENCES: 1279
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Seed and Berry LLP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ö
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPREATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/263,959
FILING DATE: 05-MAR-1999
CLASSIFICATION:
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GENERAL INFORMATION:

GENERAL INFORMATION:

APPLICANT:

CURRENT FILING DATE:

CURRENT FILING DAT
                                                                                                                                                                                                                                                                                                                                                                                                                                                              E: Seed and Berry LLP 6300 Columbia Center, 701 Fifth Avenue
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Pred. No. 4.6e+02;
0; Mismatches 3;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             REGISTRATION NUMBER: 33,963
REGISTRATION NUMBER: 33,963
REGISTRATION NUMBER: 33,963
REGISTRATION NUMBER: 920010.426C2
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
TELEPAX: (206) 682-6031
INFORMATION FOR SEQ ID NO: 808:
SEQUENCE CHARACTERISTICS:
LENGTH: 22 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   5044 AAAAAAAAAAAAAAAAAA 5065
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Best Local Similarity 86.4%;
Matches 19; Conservative (
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STRANDEDNESS: single
;
TOPOLOGY: linear
US-09-263-959-808
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CITY: Seattle
STATE: Weshington
COUNTRY: US
ZIP: 98104-7092
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Litwack, Gerald
TITLE OF INVENTION: Application Protesse Mch6, Nucleic Acids
Encoding Same and Methods of Use
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CORRESPONDER ADDRESS:
ADDRESSEB: Campbell & Flores LLP
STREET: 4370 La Jolla Village Drive, Suite 700
CITY: San Diego
CITY: San Diego
COUVTRY: United States
ZIP: 92122
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: Ploppy disk
COMPUTER: PatentIn Release #1.0, Version #1.25
CORPUTER: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/746,731
FILING DATE: 22-Dec-2000
CLASSIFICATION OF CONDOMINO PRIOR APPLICATION OF CONDOMINO PRIOR APPLICATION NUMBER: US/08/865,579
FILING DATE: 29-MAY-1997
ATTORNEY/AGENT INFORMATION:
NAME: Campbell, Cathryn A.
REGISTRATION NUMBER: 9-ID 2180
                                                                                                                                                                                                                                                        Length 17;
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100.0%; Pred. No. 3.8e+02;
iive 0; Mismatches 0;
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0.3%; Score 17; DB 1; L.
Best Local Similarity 100.0%; Pred. No. 3.8e+02;
Matches 17; Conservative 0; Mismatches 0;
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TELEPHONE: (619) 535-9001
TELEFAX: (619) 535-9449
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 5, Application US/09746731
Publication No. US20010016345A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Alnemri, Emad S.
                                                                                                                                                                                                                                                                                                                                                                                               1 caggaarrcgccacgag 17
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              TELEFAX: (619) 535-9849
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 17 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: CDNA
US-08-865-579-5
(619) 535-9001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NUMBER OF SEQUENCES: 87
                                                                                                                                                                                                                                                                                                                                                   16 CAGGAATTCGGCACGAG
                                                                                                                                                                                                                                                Query Match 0.3%
Best Local Similarity 100.0
Matches 17; Conservative
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                                                                                                                                                                                                                                                                                                                                      APPLICANT: Clearant, Inc.
APPLICANT: Clearant, Inc.
APPLICANT: Gillmeister, Lidja
APPLICANT: Gillmeister, Lidja
APPLICANT: Gillmeister, Lidja
APPLICANT: Marietad, David
TITLE OF INVENTION: Real-Time Polymerase Chain Reaction Using Large Target Amplicons
FILE REFRENCE: CI-0042
CURRENT APPLICATION NUMBER: US/10/361,004
CURRENT PILING DATE: 2003-02-10
NUMBER OF SEQ ID NOS: 99
SEQ OF NOS: 99
SEQ OF NOS: 99
SEQ OF NOS: 99
SEQ OF NOS: 99
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                                                                  Gaps
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Publication No. US20010006779A1
GENERAL INFORMATION:
APPLICANT: Alnemari, Emad S.
APPLICANT: Fernandes-Alnemari, Teresa
APPLICANT: Litwack, Gerald
TITLE OF INVENTION: Apoptotic Protease Mch6, Nucleic Acids
TITLE OF INVENTION: Encoding Same and Methods of Use
NUMBER OF SEQUENCES: 87
CORRESPONDENCE ADDRESSS:
ADDRESSEE: Campbell & Flores LLP
STREET: 4370 La Jolla Village Drive, Suite 700
                   Length 22;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 22;
                                                                  3; Indels
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STATE: California
COUTRY: United States
COMPUTER: United States
ZIP: 92122
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: Ploppy disk
COMPUTER: Parentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/865,579
FLING DATE: 29-MAY-1997
CLASSIFICATION: 435
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4370 La Jolla Village Drive, Suite 700
            Query Match

0.3%; Score 17.2; DB 1;
Best Local Similarity 86.4%; Pred. No. 4.6e+02;
Matches 19; Conservative 0; Mismatches 3;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 17.2; DB 1;
Pred. No. 4.6e+02;
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0.3%; Score 17.2; D
Best Local Similarity 86.4%; Pred. No. 4.6e
Matches 19; Conservative 0; Mismatches
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                                                                                                            723 GAAGGITITIGCAATICAGGAI 744
                                                                                                                                                     22 GAAGGAGTTTGCCATTCAGGAT 1
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                                                                                                                                                                                                                                                                         ; Sequence 33, Application US/10361004; Publication No. US20040170981A1; GENERAL INFORMATION:
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NAME: Campbell, Cathryn A.
REGISTRATION NUMBER: 31,815
REFERENCE/DOCKET NUMBER: P-I
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: DNA ORGANISM: Hepatitis B virus
                                                                                                                                                                                                                             RESULT 525
US-10-361-004-33/c
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RESULT 53.
US-10-059-749-5
US-10-059-749-5
; Sequence 5, Application US/10059749
; Publication No. US20020183504A1
; GENERAL INFORMATION:
; GENERAL INFORMATION:
; Litwack, Gerald
; TITLE OF INVENTION: Apoptotic Protease Mch6, Nucleic Acids
; TITLE OF INVENTION: Apoptotic Protease Mch6, Nucleic Acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ö
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STATE: California
CONTRY: United States
ZIP: 91122
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
CURRENT APPLICATION DATA:
CURRENT APPLICATION DATA:
CONTREST APPLICATION D
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ADDRESSEE: Campbell & Flores LLP
STREET: 4370 La Jolla Village Drive, Suite 700
                                                                                                                                                                                                                                                                                                                   COMPUTER READABLE FORM:
COMPUTER: FLOPDY disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
COMPUTER: TEM PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
PLING DATE: 31-Aug-2001
CLASSIFICATION: <UNKNOWN>
                                           CORRESPONDENCE ADDRESS:
ADDRESSEE: Campbell and Flores
STREET: 4370 La Jolla Village Drive, Suite 700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                DB 1; Le 3.8e+02;
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APPLICATION NUMBER: 08/56,627
FILING DATE: 13-NOV-1995
ATTORNEY/AGENT INFORMATION:
NAME: Campbell, Cathryn A.
REGISTRATION NUMBER: 31,815
REFERENCE/DOCKET NUMBER: P-ID 1813
TELEPONE: (619) 535-9001
TELEPONE: (619) 535-9949
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FILING DATE: 29-Jan-2002
CLASSIFICATION: «Unknown»
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match 0.3%; Score 17; DB Best Local Similarity 100.0%; Pred. No. 3.6 Matches 17; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TOPOLOGY: linear SEQUENCE DESCRIPTION: SEQ ID NO: 6:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: nucleic acid
STRANDEDNESS: single
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NUMBER OF SEQUENCES: 11
                                                                                                                                                                                           CITY: San Diego
STATE: California
                                                                                                                                                                                                                                                                                      COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-09-944-851-6
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Tomaselli, Kevin
TITLE OF INVENTION: Mch3, A No. US20020102648Alel Apoptotic Protease,
Nucleic Acids Encoding and Methods of Use
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ö
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADDRESSEE: Seed Intellectual Property Law Group STREET: Suite 6300, 701 Fifth Avenue CITY: Seattle
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COMPUTER: IBM PC Compatible
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/NS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION WHORER: US/09/952,768
FILING DATE: 10-Sep-2001
CLASSIFICATION: <u color c
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0.3%; Score 17; DB 1; Le
Best Local Similarity 100.0%; Pred. No. 3.8e+02;
Matches 17; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ATTORNEY/AGENT INPORMATION:
NAME: Christiansen, William T.
REGISTRATION WINBER: 44,614
REFERENCE/DOCKET NUMBER: 480140.424C4
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | NAME/KEY: misc feature | LOCATION: 1..17 | LOCATION: 1..17 | OTHER INFORMATION: /note= "SK-Zap" | SEQUENCE DESCRIPTION: SEQ ID NO: 6: US-09-952-768-6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Fernandes-Alnemri, Teresa
                                                                                                                                                                                                                                                     Sequence 6, Application US/09952768
Patent No. US20020035242A1
GENERAL INFORMATION:
APPLICANT: Alnemri, Emad S.
Fernandes-Alnemri, Teresa
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TELEFAX: (206) 682-6031
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 6, Application US/09944851
Patent No. US20020102648A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Armstrong, Robert
Tomaselli, Kevin
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Litwack, Gerald
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   LENGTH: 17 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               16 CAGGAATTCGCCACGAG 32
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                        1 CAGGAATTCGGCACGAG 17
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CORRESPONDENCE ADDRESS:
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COMPUTER READABLE FORM:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COUNTRY: USA
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US-09-944-851-6
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US-09-952-768-6
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Gaps

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Sequence 28, Application US/10669962
| Publication No. US20050001264A1 |
| GENERAL INFORMATION: |
| APPLICANT: Brugliera, Filippa |
| APPLICANT: Holton, Timothy A. |
| APPLICANT: MIChael Z. |
| APPLICANT: AND USES THEREFOR |
| TITLE OF INVENTION: AND USES THEREFOR |
| FILE REFERENCE: 11658 |
| CURRENT APPLICATION NUMBER: US/09/142,108C |
| PRIOR FILING DATE: 1998-09-01 |
| NUMBER OF SEQ ID NOS: 45 |
| SEQ ID NOS: 45 |
| LENGTH: 18 |
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                                                                                                                                                                                                                                                                       COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER
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                                                                                                        ADDRESSEE: Seed Intellectual Property Law Group STREET: Suite 6300, 701 Fifth Avenue
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        DB 1; Le
3.8e+02;
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SEQUENCE DESCRIPTION: SEQ ID NO: 6:
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ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS
                                    NUMBER OF SEQUENCES: 75
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                             STATE: Washington COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity 100.0
Matches 17; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NAME/KEY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RESULT 533
US-10-669-962-28/C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FEATURE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-10-668-955-6
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| Publication No. US20030119169A1
| GENERAL INFORMATION:
| APPLICANT: Alnemit, Emad S. |
| APPLICANT: Ernandez-Alnemit, Teresa |
| APPLICANT: Intuack, Gerald |
| APPLICANT: Tomaselli, Revin |
| TITLE OF INVENTION: MCH3, A NOVEL APOPTOTIC PROTEASE, |
| TITLE OF INVENTION: MCLEIC ACIDS ENCODING AND METHODS OF USE |
| TITLE OF INVENTION: WICLEIC ACIDS ENCODING AND METHODS OF USE |
| TITLE OF INVENTION: WICLEIC ACIDS ENCODING AND METHODS OF USE |
| TITLE OF INVENTION UNMERR: US/10/337,060 |
| CURRENT FILING DATE: 2003-01-02 |
| NUMBER OF SEQ ID NOS: IT |
| SOFTWARE: FastSEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ö
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Tomaselli, Kevin
TITLE OF INVENTION: MCH4 AND MCH5, APOPTOTIC PROTEASE,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0.3%; Score 17; DB 1; Length 17; 100.0%; Pred. No. 3.8e+02; tive 0; Mismatches 0; Indels
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                         FILING DATE: 29-MAY-1997
ATTORNEY/AGENT INFORMATION:
NAME: Campbell, Cathryn A.
REGISTRATION NUMBER: 31,815
REFERENCE/DOCKET NUMBER: P-ID 2180
TELEPHONE: (619) 535-9001
TELEPHONE: (619) 535-9849
INFORMATION FOR SEQ ID NO: 5:
APPLICATION NUMBER: US/08/865,579
FILING DATE: 29-MAY-1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Julication No. ....
GENERAL INFORMATION:
APPLICANT: Alnemri, Emad S.
Ernandes-Alnemri, Teresa
Litwack, Gerald
                                                                                                                                                                                                                                                                                                                                                                                                                                                        ; TOPOLOGY: linear
; MOLECULE TYPE: CDNA
; SEQUENCE DESCRIPTION: SEQ ID NO: 5:
US-10-059-749-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 6, Application US/10668955
Publication No. US20040054148A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ; FEATURE:
; OTHER INFORMATION: Primer SK-Zap
US-10-337-060-6
                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       16 CAGGAATTCGGCACGAG 32
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      16 CAGGAATTCGGCACGAG 32
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: DNA
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Best Local Similarity 100.
Matches 17, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RESULT 532
US-10-668-955-6
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LENGTH: 17
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US-10-871-222-300/c

Sequence 300, Application US/10871222

Publication No. US2005019212A1

SERNEAL INFORMATION

Publication No. US2005019212A1

GENERAL INFORMATION

SEPLICANT: Habberli, Peter

APPLICANT: Habberli, Peter

APPLICANT: McSu-ggen, James

ITILE OF INVENTION: Synthese Ligand (FARL) Gene Expression Using Short Interfering

ITILE OF INVENTION: Synthese Ligand (FARL)

CURRENT APPLICATION NUMBER: US/10/871,222

CURRENT APPLICATION NUMBER: US/10/804/16390

PRIOR PILING DATE: 2004-06-18

PRIOR PLILING DATE: 2004-01-14

PRIOR PLILING DATE: 2004-01-14

PRIOR PLILING DATE: 2004-01-14

PRIOR PLILING DATE: 2003-01-23

PRIOR PLILING DATE: 2003-02-20

PRIOR PLILING DATE: 2003-02-01

PRIOR PLILING DATE: 2003-03-11

Remaining Prior Application data removed - See File Wrapper or PALM.

Remaining Prior Application data removed - See File No. 1003-03-03

PLENGTH: 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: RNA

CRGANISM: Artificial Sequence

PEATURE INFORMATION: Description of Artificial Sequence: Target Sequence/sinA sense re

US-10-871-222-150
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PRIOR FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: PCT/US03/05028
PRIOR FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: US60/358580
PRIOR FILING DATE: 2002-02-20
PRIOR FILING DATE: 2002-03-11
PRIOR FILING DATE: 2002-03-11
Remaining Prior DATE: 2002-03-13
Remaining Prior DATE: 2002-03-13
SEQ ID NOS: 706
SOFTWARE: Patentin version 3.3
SEQ ID NO 150
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Ouery Match 0.3%; Score 17; DB 1; Length 19;
Best Local Similarity 94.1%; Pred. No. 4.2e+02;
Matches 16; Conservative 1; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0.3%; Score 17;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
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| Sequence 150, Application US/10871222 |
| Sequence 150, Application US/10871222 |
| Sequence 150, Application No. US20050119212A1 |
| Publication No. US20050119212A1 |
| Publication No. US20050119212A1 |
| GENERAL INPORMATION: Thereputics, Inc. APPLICANT: Sirna Therapeutics, Inc. APPLICANT: McSwiggen, James |
| APPLICANT: McSwiggen, James |
| APPLICANT: McSwiggen, James |
| TITLE OF INVENTION: RNA Mediated Inhibition Fatty Acid Synthase (FAS) and Fatty Acid (SINA) |
| TITLE OF INVENTION: RNA Mediated Inhibition Fatty Acid Short Interfering |
| TITLE OF INVENTION: Nucleic Acid (SINA) |
| FILE REFERENCE: 400/164 (MRH004-487) |
| FILE REFERENCE: 2000/164 (MRH004-487) |
| FILE REPERENCE: 2000/164 (MRH004-1222 |
| CURRENT APPLICATION NUMBER: US10/89166 |
| PRIOR FILING DATE: 2004-01-14 |
| PRIOR FILING DATE: 2004-01-14 |
| PRIOR FILING DATE: 2003-11-24 |
| PRIOR FILING DATE: 2003-05-23 |
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 29, Application US/10669962

Sequence 29, Application US/10669962

Sequence 29, Application No. US2050081264A1

GENERAL INFORMATION:
Holding in the control of the
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ; OTHER INFORMATION: Description of Artificial Sequence:oligonucleotide US-10-669-962-29
                                                                                                                                                                                  Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ö
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0.3%; Score 17; DB 1; Length 18;
Best Local Similarity 100.0%; Pred. No. 4e+02;
Matches 17; Conservative 0; Mismatches 0; Indels
                                                                                           ch 0.3%; Score 17; DB 1; Length 18; 1 Similarity 100.0%; Pred. No. 4e+02; 17; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity
Matches 17; Conserval
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Sequence 10, Application US/10148355A
Publication No. US20030207831A1
GENERAL INCORMATION:
APPLICANT: Breat P. Monia
APPLICANT: Lex M. Cowsert
APPLICANT: Lex M. Cowsert
TITLE OF INVENTION: ANTISENSE MODULATION OF TELOMERIC REPEAT BINDING FACTOR 2
TITLE OF INVENTION: EXPRESSION
FILE REFERENCE: RTSP-0082
CURRENT APPLICANTION NUMBER: US/10/148,355A
CURRENT APPLICATION NUMBER: US/467,642
PRIOR APPLICATION NUMBER: 09/467,642
NUMBER OF SEQ ID NOS: 89
SEQ ID NO 10
LENGTH: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
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                                                                                   COMPUTER READABLE FORM:

MEDIUM TYPES: Floppy disk

CCMPUTER: IEM PC compatible

CCMPUTER: IEM PC compatible

CCMPUTER: IEM PC compatible

OPERATING SYSTEM: PC-DOS/NS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/10/271,344

FILING DATE: 14-Oct-2002

CLASSIFICATION OFFA:

APPLICATION NUMBER: US/08/809,423A

FILING DATE: -UNFNOWN-

ATTORNEY/AGENT INFORMATION:

NAME: CONNELL, GARY J.

REGISTRATION NUMBER: 2618-17-C2PCT

TELECOMMUNICATION INFORMATION:

TELECOMMUNICATION INFORMATION:

TELECOMMUNICATION INFORMATION:

TELECOMMUNICATION INFORMATION:

TELECOMMUNICATION INFORMATION:

TELECOMMUNICATION INFORMATION:

TELECOMMUNICATION FOR SEQ ID NO: 23:

SEQUENCE CHARACTERISTICS:
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0.3%; Score 17; DB 1; Le
Best Local Similarity 100.0%; Pred. No. 4.4e+02;
Matches 17; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0.3%; Score 17; DB 1; Le
100.0%; Pred. No. 4.4e+02;
tive 0; Mismatches 0;
       STREET: 1700 Lincoln Street, Suite 3500
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                OTHER INFORMATION: Antisense Oligonucleotide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TOPOLOGY: linear

MOLECULE TYPE: DNA (primer)

SEQUENCE DESCRIPTION: SEQ ID NO: 23:
US-10-271-344-23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           5069 AGGGGGGCCCGGTACC 5085
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      LENGTH: 20 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 18 GGAATTCGGCACGAGGG 34
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: DNA ORGANISM: Artificial Sequence
                        CITY: Denver
STATE: Colorado
COUNTRY: U.S.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Best Local Similarity 100. Matches 17; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            RESULT 539
US-10-148-355A-10/c
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                             Gapa
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US-10-271-344-23/c
Squence 23, Application US/10271344
Publication No. US20030185755A1
GENERAL INFORMATION:
HUNTER, SHELEY WU
HUNTER, SHELEY WU
WALLENDELS, LYNDA
TITLE OF INVENTION: NOVEL ECTOPARASITE SALIVA PROTEINS
                                                                                                                                                                                                      US-08-4034-23A-23/C

| Sequence 23, Application US/08809423A
| Publication No. US20020169104A1
| Publication No. US20020169104A1
| GENERAL INFORMATION:
| APPLICANT: FRANK, GLENN R. APPLICANT: WALLENFELS, LYNDA |
| TITLE OF INVENTION: NOVEL ECTOPARASITE SALIVA PROTEINS |
| TITLE OF INVENTION: AND APPARATUS TO COLLECT SUCH PROTEINS |
| NUMBER OF SEQUENCES: Sec |
| CORRESPONDENCE ADDRESS: ADDRESSEE: Sheridan Ross & McIntosh |
| STREET: 1700 Lincoln Street, Suite 3500
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0.3%; Score 17; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 4.4e+02;
Matches 17; Conservative 0; Mismatches 0; Indels
                          0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CITY: Denver
STATE: Colorado
COUNTRY: U.S.A.
ZIP: 80203
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: Ploppy disk
COMPUTER: Pacentin PC-DOS/MS-DOS
SOFTWARE: Pacentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/809,423A
FILING DATE:
  Pred. No. 4.2e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CORRESPONDENCE ADDRESS:
ADDRESSEE: Sheridan Ross & McIntosh
                          Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CLASSIFICATION:
ATTORNEY, FAGENT INFORMATION:
NAME: CONNELL, GARY J.
REGISTRATION NUMBER: 32,020
TREFERENCE/DOCKET NUMBER: 2618-17-C2PCT
TELECOMUNICATION INFORMATION:
TELEPHONE: (303) 863-9700
Best Local Similarity 100.0%; P. Matches 17; Conservative 0;
                                                                    5023 GTAAAAAAAAAAAA 5039
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TELEPAX: (303) 863-0223
INFORMATION FOR SEQ ID NO: 2
SEQUENCE CHARACTERISTICS:
LENGTH: 20 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
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APPLICANT: Cooke, Stanley T.
APPLICANT: Ecker, David J.
APPLICANT: Ecker, David J.
APPLICANT: Sampath, Rangarajan
APPLICANT: Sampath, Rangarajan
APPLICANT: Massire, Christian
APPLICANT: Hofstadler, Steven A.
APPLICANT: Baker, Brenda F.
APPLICANT: Swayze, Eric
APPLICANT: Baker, Brenda F.
APPLICANT: Baker, C. Frank
TITLE OF INVENTION: Compositions And Methods For The Treatment Of Severe
TITLE OF INVENTION: Acute Respiratory Syndrome (SARS)
TITLE OF INVENTION: Acute Respiratory Syndrome (SARS)
CURRENT FILING DATE: 2004-04-26
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Best Local Similarity 90.0%; Pred. No. 4.5e+02;
Matches 18; Conservative 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                 Query Match 0.3%; Score 16.8; DB 1; Length 20; Best Local Similarity 90.0%; Pred. No. 4.5e+02; Matches 18; Conservative 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                       FEATURE:

1 OTHER INFORMATION: Antisense Oligonucleotide

US-10-667-022-72
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PRIOR APPLICATION UNMBER: 60/466,426
PRIOR APPLICATION UNMBER: 60/466,426
PRIOR FILING DATE: 2003-04-28
PRIOR PELICATION NUMBER: 60/468,562
PRIOR PELICATION NUMBER: 60/468,562
PRIOR PELICATION NUMBER: 60/467,770
PRIOR PELING DATE: 2003-04-30
PRIOR APPLICATION NUMBER: 60/468,627
PRIOR APPLICATION NUMBER: 60/477,637
PRIOR PELING DATE: 2003-06-10
PRIOR PELING DATE: 2003-06-10
PRIOR PELING DATE: 2003-06-17
PRIOR FILING DATE: 2003-06-27
NUMBER OF SEQ ID NOS: 30063
SOFTWARE: FRSESEQ for Windows Version 4.0
SEROID NO 29728
TITLE OF INVENTION: P150 EXPRESSION FILE REFERENCE: RTS-0376 CURRENT APPLICATION NUMBER: US/10/667,022 CURRENT FILING DATE: 2003-09-18 NUMBER OF SEQ ID NOS: 147 SEQ ID NO 72 LENGTH: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 29728, Application US/10831901A Publication No. US20050100885A1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               5022 TGTAAAAAAAAAAAAAAA 5041
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                                                                                                                                                                                                       TYPE: DNA
ORGANISM: Artificial Sequence
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) Sequence 72, Application US/10667022
) Sequence 72, Application US/20040063657A1
) Publication No. US20040063657A1
) GENERAL INFORMATION:
) APPLICANT: Sunan M. Freier
) APPLICANT: Kenneth W. Dobie
) TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 7.0...'Application US/10160786
Sequence 7.0..'Application US/10160786
Publication No. US20030225013A1
GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Susan M. Freier
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUBTILE OF INVENTION: P150 EXPRESSION
FILE REFERENCE: RTS-0376
CURRENT APPLICATION NUMBER: US/10/160,786
CURRENT APPLICATION NUMBER: US/10/160,786
CURRENT FILING DATE: 2002-05-31
NUMBER OF SEQ ID NOS: 147
SEQ ID NO 72
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0; Indels
                                                                                                                                                                                                                           APPLICANT: Espinosa, Joaquin
APPLICANT: Espinosa, Joaquin
TITLE OF INVENTION: ASSANS FOR p53 FUNCTION IN CELLS
FILE REFERENCE: SALKINS. 058A
CURRENT APPLICATION NUMBER: US/10/397,131
CURRENT APPLICATION NUMBER: US 60/366,897
PRIOR PILING DATE: 2003-03-24
PRIOR PILING DATE: 2002-03-22
NUMBER OF SEQ ID NOS: 18
SOFTWARE: FastSEQ for Windows Version 4.0
ISRQ ID NO 7
INDICED NOS: 18
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Pred. No. 4.7e+02;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match 0.3%; Score 17; DB Best Local Similarity 100.0%; Pred. No. 4.7 Matches 17; Conservative 0; Mismatches
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                                                                                                                                                  ; sequence 7, Application US/10397131; Publication No. US20030228627A1; GENERAL INFORMATION:
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ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: DNA
ORGANISM: Artificial Sequence
                         20 GGAATTCGGCACGAGGG 4
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US-10-160-786-72
                                                                                                                                    US-10-397-131-7
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APPLICANT: 0'Toole, Margot
APPLICANT: 0'Toole, Margot
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSING AND TREATING AUTOIMMUNE
TITLE OF INVENTION: DISBASES
TITLE OF INVENTION: DISBASES
FILE REFERENCE: 031896-023000 (AM101331L)
CURRENT APPLICATION NUMBER: US/10/786,720
CURRENT APPLICATION NUMBER: 2004-02-26
NUMBER OF SEQ ID NOS: 21135
SOFTWARE: Patentin version 3.2
EAG ID NO 12304
LENTH: 21
TYDET
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: 0.0 Toole, Margot
APPLICANT: Liu, Wei
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSING AND TREATING AUTOIMMUNE
TITLE OF INVENTION: DISEAGES
TITLE REFERENCE: 031896-023000 (AMI01331L)
CURRENT APPLICATION NUMBER: US/10/786,720
CURRENT FILING DATE: 2004-02-26
NUMBER OF SEQ ID NOS: 21135
SOFTHARE: Patentin version 3.2
SEQ ID NO 114
LENGTH: 21
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Pred. No. 4.7e+02;
0; Mismatches 2; Indels
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0.3%; Score 16.8; DB 1; Length 21;
Best Local Similarity 70.0%; Pred. No. 4.7e+02;
Matches 14; Conservative 4; Mismatches 2; Indels
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CURRENT APPLICATION NUMBER: US/10/786,720 CURRENT FILING DATE: 2004-02-26 NUMBER OF SEQ ID NOS: 21135 SEQTWARE: Patentin version 3.2 SEQ ID NO 112 LENGTH: 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 114, Application US/10786720
Publication No. US20040191818A1
GENERAL INFORMATION:
APPLICANT: Wyeth
                                                                                                                                                                                                                                                                                                                          847 GCATCTGAGAAAGCAGCTAT 866
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                                                                                                                                                                                                                                  Query Match
Best Local Similarity 90.0%;
Matches 18; Conservative
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Best Local Similarity 90.0
Matches 18; Conservative
                                                                                                                                       TYPE: DNA
ORGANISM: Homo sapiens
US-10-786-720-112
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: DNA ORGANISM: Homo sapiens
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Publication No. US20040191818A1
GENERAL INFORMATION:
A PEPLICANT: Wyeth
APPLICANT: O'Toole, Margot
APPLICANT: Liu, Wei
APPLICANT: Liu, Wei
TITLE OF INVENTION: DISEASES
FILE REFERENCE: 031896-023000 (AM101331L)
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0.3%; Score 16.8; DB 1; Length 21;
Best Local Similarity 90.0%; Pred. No. 4.7e+02;
Matches 18; Conservative 0; Mismatches 2; Indels
                                   Sequence 21, Application US/10274095
Publication No. US20030120433A1
GENERAL INFORMATION:
GENERAL INFORMATION:
FILE OF INVENTION: Methods for Predicting Transcription
TITLE OF INVENTION: Methods for Predicting Transcription
TITLE OF INVENTION: Level 137US
FILE REFERENCE: ARTI.0137US
CURRENT APPLICATION NUMBER: US/10/274,095
CURRENT PILING DATE: 2002-10-17
PRIOR FILING DATE: 2002-10-17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 12, Application US/10666980
Publication No. US20040133929A1
GENERAL INFORMATION:
APPLICANT: Davisson, Robin L.
TITLE OF INVENTION: Animal Model for Preeclampsia
FILE REFERENCE: P05473US01
CURRENT APPLICATION NUMBER: US/10/666,980
CURRENT FILING DATE: 2003-09-19
PRIOR FILING DATE: 2002-09-19
                                                                                                                                                                                                                                                                                                                     NUMBER OF SEQ ID NOS: 48
SOFTWARE: FastSEQ for Windows Version 3.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         4591 CAGGGCTTCATCGTAACTGC 4610
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SOFTWARE: Patentin version 3.2
SEQ ID NO 12
LENGTH: 21
                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: DNA ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ; OTHER INFORMATION: primer US-10-274-095-21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ; ORGANISM: Mus musculus
US-10-666-980-12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RESULT 546
US-10-786-720-112/c
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US-10-666-980-12
                                                                                                                                                                                                                                                                                                                                                                SEQ ID NO 21
LENGTH: 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: DNA
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APPLICANT: Martinez, Robert
APPLICANT: Martinez, Robert
APPLICANT: Liu, Wei
APPLICANT: Liu, Wei
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSING AND TREATING COLON
TITLE OF INVENTION: CAMPOSITION CAMPOSITY
FILE REPRENCE: AM100927 (031896-002000)
CURRENT FILING DATE: 2003-01-06
FRIOR APPLICATION NUMBER: US Provisional Application 60/438,000
PRIOR PILING DATE: 2003-01-06
NUMBER OF SEQ ID NOS: 54873
SOFTWARE: Patentin version 3.2
SEQ ID NO 14784
LENTH: 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Martinez, Robert
APPLICANT: Brown, Eugene
APPLICANT: Brown, Eugene
APPLICANT: Liu, Wei
APPLICANT: Liu, Wei
TITLE OF INVENTION: CANCERS
TITLE OF INVENTION NUMBER: US/10/751,736
CURRENT APPLICATION NUMBER: US Provisional Application 60/438,000
PRIOR FILING DATE: 2003-01-06
NUMBER OF SEQ ID NOS: 54873
SOFTWARE: Patentin version 3.2
ISRO ID NO 18930
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-10-736-36929/c
| Sequence 36929, Application US/10751736
| Sequence 36929, Application US/10751736
| Publication No. US20040265230A1
| GENERAL INFORMATION:
| APPLICANT: Wath
| APPLICANT: Brown, Eugene
| APPLICANT: Liu, Wei
| APPLICANT: Liu, Wei
| APPLICANT: Liu, Wei
| APPLICANT: Liu, Wei
| TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSING AND TREATING COLON
| TITLE OF INVENTION: CANCERS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match 0.3%; Score 16.8; DB 1; Length 21; Best Local Similarity 90.0%; Pred. No. 4.7e+02; Matches 18; Conservative 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 18930, Application US/10751736; Publication No. US20040265230A1; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  2915 AGGAAGACAAACTTCTGGCA 2934
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Best Local Similarity 90.04
Matches 18; Conservative
GENERAL INFORMATION:
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US-10-751-736-18930/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ; TYPE: RNA
; ORGANISM: RNAi
US-10-751-736-18930
                                                                                                                                                                                                                                                                                                                                                                                                               ; TYPE: RNA
; ORGANISM: RNAi
US-10-751-736-14784
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; Sequence 5549, Application US/10751736
; Publication No. US20040265230A1
; Publication No. US20040265230A1
; GENERAL INFORMATION:
APPLICANT: Wyeth
; APPLICANT: Brown, Eugence
; APPLICANT: Liu, Wei
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSING AND TREATING COLON
; TITLE OF INVENTION: CANCERS
; FILE REFERENCE: AM100927 (031896-002000)
; CURRENT APPLICATION NUMBER: US/10/751,736
; CURRENT FILING DATE: 2003-01-06
; PRIOR PILING DATE: 2003-01-06
; NUMBER OF SEQ ID NOS: 54873
; SEQ ID NO 5549
; LENGTH: 21
                                                                                                                                                                                                                                                                                                           APPLICANT: O'TOOLe, Margot
APPLICANT: O'TOOLe, Wei
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSING AND TREATING AUTOIMMUNE
TITLE OF INVENTION: DISEASES
FILE REFERENCE: 031896-023000 (AMI01331L)
CURRENT APPLICATION NUMBER: US/10/786,720
CURRENT FILING DATE: 2004-02-26
NUMBER OF SEQ ID NOS: 21135
SOFTWARE: Patentin version 3.2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match 0.3%; Score 16.8; DB 1; Length 21; Best Local Similarity 70.0%; Pred. No. 4.7e+02; Matches 14; Conservative 4; Mismatches 2; Indels
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                                                                                                                                                         RESULT 549
US-10-786-720-12306
; Sequence 12306, Application US/10786720
; Publication No. US20040191818A1
; GENERAL INFORMATION:
; APPLICANT: Wyeth
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1912 AAAGAGGTTCCTCGTAATGA 1931
                             2124 TACACATCCAAATGGAAATT 2143
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               2124 TACACATCCAAATGGAAATT 2143
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: RNA
CRGANISM: RNAi-antisense strand
US-10-786-720-12306
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Best Local Similarity 90.0
Matches 18; Conservative
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US-10-751-736-14784/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ; TYPE: RNA
; ORGANISM: RNAi
US-10-751-736-5549
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SEQ ID NO 12306
LENGTH: 21
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FILE REFERENCE: AM100927 (031896-002000)

CURRENT APPLICATION NUMBER: US/10/751,736

CURRENT FILING DATE: 2003-01-06

PRIOR APPLICATION NUMBER: US Provisional Application 60/438,000

PRIOR PILING DATE: 2003-01-06

NUMBER OF SEQ ID NOS: 54873

SEC ID NO 36929

LENGTH: 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 52, Application US/09972175
Publication No. US20030101482A1
GENERAL INFORMATION:
GENERAL OF THE OF TRANSCENIC PLANTS EXPRESSING
TITLE OF INVENTION:
LEPIDOPTERAN-ACTIVE-DELTA-ENDOTOXINS
                                                                                                                                                                                                                                                                                    0.3%; Score 16.8; DB 1; Length 21; 90.0%; Pred. No. 4.7e+02; tive 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       MEDIUM TYPE: FLORPY disk
COMPUTER: IBM PC compatible
COMPATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/972,175
FILING DATE: 05-Occ-2001
CLASSIFICATION: <unknown>
PRIOR APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATE: <unknown>
FILING DATE: <unknown>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 22;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             2; Indels
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Pred. No. 4.9e+02;
0; Mismatches 2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NUMBER OF SEQUENCES: 76
CORRESPONDENCE ADDRESS:
ADDRESSEE: Arnold, White & Durkee
STREET: P.O. BOX 4433
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ATTORNEY/AGENT INFORMATION:
NAME: Kitchell, Barbara S.
REGISTRATION NUMBER: 33,928
REFERENCE/DOCKET NUMBER: MECO:206
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SEQUENCE DESCRIPTION: SEQ ID NO: 52:
                                                                                                                                                                                                                                                                                                                                                                         802 AATTCTGCACAGAATTGTCT 821
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TELEPHONE: 512/418-3000
TELEFAX: 512/474-7577
INFORMATION FOR SEQ ID NO: 52:
                                                                                                                                                                                                                                                                                                                                                                                                           21 AATTCTTCACAGCATTGTCT 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: nucleic acid
STRANDEDNESS: single
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COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity 90.0
Matches 18; Conservative
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Best Local Similarity 90.0
Matches 18; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CITY: Houston
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         STATE: Texas
                                                                                                                                                                                             ; TYPE: RNA
; ORGANISM: RNAi
US-10-751-736-36929
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RESULT 554
US-09-972-175-52
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GGATCCCCCGGGCTGCAGGA 20

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Squence 52, Application US/10200522

Squence 52, Application US/10200522

Squence 52, Application No. US20030195336A1

GENERAL INFORMATION:

APPLICANT: Baum, James A.

APPLICANT: Gilmer, Amy Jelen

APPLICANT: Metus, Anne Marie Light

TITLE OF INVENTION: DCLETE CALD AND POLYPEPTIDE COMPOSITIONS ENCODING LEPIDOPTERAN-TC

TITLE OF INVENTION: POLYPEPTIDES

FILE REFERENCE: MECO:213 (11792.0213 DVUS01)

CURRENT FILING DATE: 1099-10-22

PRIOR APPLICATION NUMBER: 09/337, 280

PRIOR APPLICATION NUMBER: 08/980, 071

PRIOR PILING DATE: 1999-10-26

PRIOR FILING DATE: 1996-11-27

NUMBER OF SEQ ID NOS: 76

SSCTUMER PARENCE: METING DATE: 1996-11-27

NUMBER OF SEQ ID NOS: 76

SSC ID NO SSC ID NOS: 76

LENGTH: 22
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Sequence 52, Application US/10855335

Publication No. US20040221334A1

GENERAL INFORMATION:
APPLICANT: Baum. James A.
APPLICANT: Gilmer, Amy Jelen
APPLICANT: Mettus, Anne Marie Light
ITLE OF INVENTION: Attibodies Immunoreactive with Lepidopteran-Toxic Polypeptides
ITLE OF INVENTION: and Methods of Use (Amended)
ITLE OF INVENTION: and Methods of Use (Amended)
ITLE OF INVENTION UNMBER: US/10/855,535
CURRENT APPLICATION NUMBER: US/10/855,535
CURRENT PILING DATE: 1999-06-21
PRIOR PELICATION NUMBER: 09/337,635
PRIOR PELICATION NUMBER: 08/337,635
PRIOR PELICATION NUMBER: 08/95-11-26
PRIOR PELICATION NUMBER: 08/95-11-26
PRIOR PELICATION NUMBER: 08/757,536
PRIOR APPLICATION NUMBER: 08/757,536
SPIOR PILING DATE: 1999-11-27
NUMBER OF SEC ID NOS: 76
SOFTWARE: Patent In version 3.2
SEC ID NO 52
SEC ID NO 52
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Best Local Similarity 90.0%; Pred. No. 4.9e+02;
Matches 18; Conservative 0; Mismatches 2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0.3%; Score 16.8; DB 1; 90.0%; Pred. No. 4.9e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FEATURE:

OTHER INFORMATION: Synthetic oligonucleotide
US-10-200-522-52
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        , OTHER INFORMATION: Synthetic oligonucleotide US-10-855-535-52
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Best Local Similarity
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, OTHER INFORMATION: Description of Artificial Sequence: an artificially synthesized pr
US-10-108-260A-4995
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Publication No. US20040005560A1;
GENERAL INFORMATION:
APPLICANT: HELLX RESEARCH INSTITUTE
TITLE OF INVENTION: No. US20040005560A1e1 full length cDNA
FILE REFERENCE: H1-A0106
CURRENT APPLICATION NO. US20040005560A1e1
CURRENT RIGHT APPLICATION NUMBER: US/10/108,260A
CURRENT FILING DATE: 2002-03-27
NUMBER OF SEQ ID NOS: 5458
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 4995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match

0.3%; Score 16.4; DB 1; Length 18;
Best Local Similarity 94.4%; Pred. No. 4.4e+02;
Matches 17; Conservative 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                     Length 22;
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Publication No. US2004026588A1

GENERAL INPORMATION:

APPLICANT: Kaufman, Joseph C.

APPLICANT: Roth, Matthew E.

APPLICANT: Feng, Li

APPLICANT: Feng, Li

APPLICANT: Feng, Li

APPLICANT: Feng, Li

APPLICANT: Press, Li

APPLICANT: Press, Li

APPLICANT: Press, Li

CURRENT PRESERNCE: Darin R.

FILE REFERENCE: AGL 100

CURRENT PLING DATE: 2004-06-21

FRIOR FILING DATE: 2001-11-26

PRIOR FILING DATE: 2001-08-11

PRIOR FILING DATE: 2000-08-11

NUMBER OF SEQ ID NOS: 10

NUMBER OF SEQ ID NOS: 10
                                                                                                                                                                                                                                                                                                                              Query Match

0.3%; Score 16.8; DB 1;
Best Local Similarity 90.0%; Pred. No. 4.9e+02;
Matches 18; Conservative 0; Mismatches 2;
                                                                                                                                                                                                                                                                OTHER INFORMATION: Synthetic oligonucleotide
       PRIOR APPLICATION NUMBER: 04/980,071
PRIOR PILING DATE: 1997-11-26
PRIOR PILING DATE: 1996-11-27
PRIOR FILING DATE: 1996-11-27
NUMBER OF SEQ ID NOS: 76
SOFTWARE: Patentin version 3.3
SEQ ID NO 52
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                3813 CCATCTTACAAAGCAG 3830
                                                                                                                                                                                                                                                                                                                                                                                                                              1 GGATCCCCCGGGCTGCAGGA 20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: DNA
ORGANISM: Artificial Sequence
                                                                                                                                                                                                    TYPE: DNA
ORGANISM: Artificial Sequence
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Publication No. US20050155103A1
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Baum, James A.
APPLICANT: Gilmer, Anne Marie Light
TITLE OF INVENTION: Methods for Generating Lepidopteran-Toxic Polypeptides (Amended))
FILE REFERENCE: 11792.0213 DVUS02
CURRENT FILING DATE: 2004-11-29
PRIOR APPLICATION NUMBER: 10/200,522
PRIOR APPLICATION NUMBER: 09/337,280
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Gaps
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APPLICANT: Snell, R.
APPLICANT: Snell, R.
TITLE OF INVENTION: MARKER ASSISTED SELECTION OF BOVINE FOR TITLE OF INVENTION: MARKED MILK COMPOSITION
FILE REFERENCE: AJPARK19.001APC
CURRENT APPLICATION NUMBER: US/10/473,683
CURRENT FILING DATE: 2003-09-12
PRIOR APPLICATION NUMBER: PCT/NZ02/00157
PRIOR APPLICATION NUMBER: NZ 520797
PRIOR APPLICATION NUMBER: NZ 520797
PRIOR PILING DATE: 2002-08-15
PRIOR FILING DATE: 2002-08-15
PRIOR FILING DATE: 2002-06-05
NUMBER OF SEQ ID NOS: 62
SOFTWARE: FASESEQ for Windows Version 4.0
: SEQ ID NO 41
LEGGTH: 22
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2; Indels
  0; Mismatches
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; Sequence 41, Application US/10473683
; Publication No. US20040254104A1
; GENERAL INFORMATION:
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APPLICANT: Kim, J.
APPLICANT: Schmidt-Kuntzel, A.
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Best Local Similarity 90.0
Matches 18; Conservative
    18; Conservative
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Spelman, R.
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Vilkki, J.
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Berzi, P.
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Page 133

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SOFTWARE: Patentin Ver. 2.1 SEQ ID NO 7 LENGTH: 18
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US-10-800-487-328
                                                                                                                               TYPE: DNA
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                                                                                                                                                                                             ; OTHER INFORMATION: Description of Artificial Sequence: Primer US-10-872-984-5
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APPLICANT: Roth, Matthew E.
APPLICANT: Lizardi, Paul M.
APPLICANT: Lizardi, Paul M.
APPLICANT: Latimer, Darin R.
ITILE OF INVENTION: Binary Encoded Sequence Tags
FILE REFERENCE: AGL 100
CURRENT APPLICATION NUMBER: US/10/872,984
CURRENT APPLICATION NUMBER: US/09/994,311
PRIOR APPLICATION NUMBER: US/09/637,751
PRIOR FILING DATE: 2000-08-11
NUMBER OF SEQ ID NOS: 10
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO ENCONENTIAL SECONENTIAL SECONEN
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APPLICANT: Rach, Matthew E.
APPLICANT: Lizardi, Paul M.
APPLICANT: Lizardi, Paul M.
APPLICANT: Feng, Li
APPLICANT: Feng, Li
APPLICANT: Latimer, Darin R.
TITLE OF INVENTION: Binary Encoded Sequence Tags
FILE REFERENCE: AGL 100
CURRENT APPLICATION NUMBER: US/10/872,984
CURRENT FILING DATE: 2004-06-21
PRIOR FILING DATE: 2001-11-26
PRIOR FILING DATE: 2001-11-26
PRIOR APPLICATION NUMBER: US/09/637,751
NUMBER OF SEQ ID NOS: 10
                                                                                                                                                                                                                                                                                                                Score 16.4; DB 1;
Pred. No. 4.4e+02;
0; Mismatches 1;
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0.3%; Score 16.4; DB 1;
Best Local Similarity 94.4%; Pred. No. 4.4e+02;
Matches 17; Conservative 0; Mismatches 1;
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                                                                              TYPE: DNA
ORGANISM: Artificial Sequence
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Best Local Similarity 94.4%;
Matches 17; Conservative
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ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Kaufman, Joseph C.
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US-10-872-984-7/c
SEQ ID NO 5
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; OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/sinA sense re
US-10-800-487-162
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APPLICANT: Sirna Therapeutics, Inc.
APPLICANT: Sirna Therapeutics, Inc.
APPLICANT: McSwiggen, James
TITLE OF INVENTION: RNA Interference Mediated Inhibition Of Intercellular Adhesion
TITLE OF INVENTION: Molecule (ICAM) Gene Expression Using Short Interfering Nucleic
TITLE OF INVENTION: Acid (sinA)
FILE REPERENCE: 400/148 (MHBB04-218)
CURRENT APPLICATION NUMBER: US/10/800,487
CURRENT FILING DATE: 2004-03-15
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                ; OTHER INFORMATION: Description of Artificial Sequence: Primer US-10-872-984-7
                                                                                        Length 18;
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                                                                                      Query Match

0.3%; Score 16.4; DB 1;
Best Local Similarity 94.4%; Pred. No. 4.4e+02;
Matches 17; Conservative 0; Mismatches 1;
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Publication No. US20050048529A1
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ORGANISM: Artificial Sequence FEATURE:
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FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/sinA sense re
US-10-871-222-404
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TITLE OF INVENTION: Synthase Ligand (FASL) Gene Expression Using Short Interfering
TITLE OF INVENTION: Nucleic Acid (SITMA)
FILE REFERENCE: 400/164 (MHHB04-487)
CURRENT FILING DATE: 2004-66-18
PRIOR APPLICATION NUMBER: USIO/871,222
CURRENT FILING DATE: 2004-06-24
PRIOR PELING DATE: 2004-06-16
PRIOR PELING DATE: 2004-01-14
PRIOR PLING DATE: 2004-01-14
PRIOR PLING DATE: 2004-01-14
PRIOR PLING DATE: 2003-11-24
PRIOR PLING DATE: 2003-11-24
PRIOR PLING DATE: 2003-10-23
PRIOR PLING DATE: 2003-10-23
PRIOR PLING DATE: 2003-02-20
PRIOR PRIOR PLING DATE: 2003-02-20
PRIOR PRIOR PLING DATE: 2003-03-31
PRIOR PLING DATE: 2003-03-31
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                                                   PRIOR FILING DATE: 2003-10-23
PRIOR FILING DATE: 2003-10-23
PRIOR PILING DATE: 2003-05-23
PRIOR PILING DATE: 2003-05-23
PRIOR PLING DATE: 2003-05-23
PRIOR PLING DATE: 2003-02-20
PRIOR PLING DATE: 2003-02-20
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PRIOR FILING
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NUMBER OF SEQ ID NOS: 706
SOFTWARE: PatentIn version 3.3
SEQ ID NO 508
TEMPORT. 10
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0.3%; Score 16.4; DB 1; Length 19;
Best Local Similarity 88.9%; Pred. No. 4.6e+02;
Matches 16; Conservative 1; Mismatches 1; Indels
                         APPLICATION NUMBER: US10/693059
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APPLICANT: Sirna Therapeutics, Inc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     5024 TAAAAAAAAAAAAAA 5041
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ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
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i Sequence 404, Application US/10871222

i Sequence 404, Application US/10871222

i Sequence 404, Application No. US20050119212A1

GENERAL INFORMATION:

APPLICANT: Sirna Therapeutics, Inc.

APPLICANT: Meswiggen, James Ligand (FASL)

TITLE OF INVENTION: RNA Mediated Inhibition Fatty Acid Synthase (FAS) and Fatty Acids

TITLE OF INVENTION: Number: US/10/871, 222

TITLE OF INVENTION: Number: US/10/871, 222

CURRENT FILING DATE: 2004-06-18

FRICK FILING DATE: 2004-06-18

PRIOR FILING DATE: 2004-04-16

PRIOR FILING DATE: 2004-04-16

PRIOR PLING DATE: 2004-04-16

PRIOR PLING DATE: 2004-01-14

PRIOR FILING DATE: 2004-01-14
Sequence 328, Application US/10800487

Publication No. US20050048529A1

GENERAL INFORMATION:

APPLICANT: Sirna Therapeutics, Inc.

APPLICANT: Sirna Therapeutics, Inc.

APPLICANT: Sirna Therapeutics, Inc.

APPLICANT: Solvand Town Molecule (ICAM) Gene Expression Using Short Interfering Nucleic TITLE OF INVENTION: And Cell (ICAM) Gene Expression Using Short Interfering Nucleic TITLE OF INVENTION: Acid (SINA)

FILE REPERENCE: 400/148 (URBH04-218)

CURRENT PILING DATE: 2004-01-15

FRIOR PILING DATE: 2004-01-15

FRIOR PILING DATE: 2003-11-21

FRIOR PILING DATE: 2003-11-23

FRIOR PILING DATE: 2003-11-23

FRIOR PILING DATE: 2003-10-23

FRIOR PILING DATE: 2003-04-30

FRIOR PILING DATE: 2003-05-30

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FRIOR FILING DATE: 2003-05-30

FRIOR PILING DATE: 2003-05-30

FRIOR FILING DATE: 2002-05-41

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0.3%; Score 16.4; DB 1; Length 19;
Best Local Similarity 94.4%; Pred. No. 4.6e+02;
Matches 17; Conservative 0; Mismatches 1; Indels
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Pred. No. 5e+02;
1; Mismatches 2; Indels
                                                                                                                        IndelB
                                                               Query Match

0.3%; Score 16.4; DB 1;
Best Local Similarity 94.4%; Pred. No. 4.8e+02;
Matches 17; Conservative 0; Mismatches 1;
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SOFTWARE: PastSEQ for Windows Version 4.0
SEQ ID NO 22
LENGTH: 21
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; Sequence 153, Application US/10004378A
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Rastelli, Luca
Shenoy, Suresh G
Grosse, William M
Alsobrook II, John P
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Shimkets, Richard A
Guo, Xiaojia Sasha
Casman, Stacie J
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Vernet, Corrine A
Spytek, Kimberly A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Publication No. US20030228301A1
GENERAL INFORMATION:
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Peyman, John A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match 0.3%;
Best Local Similarity 85.0%;
Matches 17; Conservative
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Tchernev, Velizar
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APPLICANT: Furtak, Kazarzyna
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Lepley, Denise M
Gerlach, Valerie
Edinger, Schlomit
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Perna, Amanda
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-09-802-320A-22
           US-10-476-021-57
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SGQUERAL INFORMATION:
PUBLICATION NO. USZ0040010814A1

GENERAL INFORMATION:
APPLICANT: HERRAANN, Bernhard
APPLICANT: KOSCHORZ, Birgit
APPLICANT: KOSCHORZ, Birgit
TITLE OF INVENTION: THEREOF
TITLE OF INVENTION: UNMERR: US/10/454,224
CURRENT APPLICATION NUMBER: US/10/454,224
CURRENT FILING DATE: 2000-05-18
PRIOR PILING DATE: 2000-05-18
PRIOR PILING DATE: 1998-11-18
PRIOR PILING DATE: 1998-11-18
PRIOR PILING DATE: 1999-11-18
PRIOR FILING DATE: 1999-11-18
PRIOR FILING DATE: 1999-11-18
PRIOR FILING DATE: 1999-11-18
PRIOR PILING DATE: PRIOR DATE: PRIOR PILING DATE: PRIOR PILIN
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Sequence 57, Application US/10476021
Publication No. US20040186069A1
GENERAL INFORMATION:
APPLICANT: Andrew T. Watt
TILLE REPERENCE: RTS-0216
CURRENT APPLICATION NUMBER: US/10/476,021
CURRENT PILING DATE: 2003-10-24
PRIOR PILING DATE: 2001-04-27
NUMBER OF SEQ ID NOS: 174
SEQ ID NO 57
LENGTH: 20
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: sinA antisense region
US-10-871-222-508
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                                                                                                               Query Match 0.3%; Score 16.4; DB 1; Length 19; Best Local Similarity 94.4%; Pred. No. 4.6e+02; Matches 17; Conservative 0; Mismatches 1; Indels
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OTHER INFORMATION: Antisense Oligonucleotide
                                                                                                                                                                                                                            5024 TAAAAAAAAAAAAA 5041
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ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ; OTHER INFORMATION: Primer US-10-454-224-29
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US-10-454-224-29
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US-10-476-021-57
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Sequence 12305, Application US/10786720

Sequence 12305, Application US/10786720

Publication No. US20040191818A1

GAPELICANT: Wyeth

APPLICANT: U'TOOLe, Margot

APPLICANT: Liu, Wei

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSING AND TREATING AUTOIMMUNE

TITLE OF INVENTION: DISEASES

TITLE OF INVENTION: US/10/786,720

CURRENT PELING DATE: 2004-02-26

NUMBER OF SEQ ID NOS: 21135

SOFTWARE: PatentIn version 3.2

SEQ ID NO 12305

LENGTH: 21
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US-10-751-736-53486

i Sequence 53486, Application US/10751736

i Sequence 53486, Application US/0051736

i CENERAL INFORMATION:

APPLICANT: Watth

APPLICANT: Brown, Eugene

APPLICANT: Brown, Eugene

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSING AND TREATING COLON

TITLE OF INVENTION: CANCERS

TITLE OF INVENTION: CANCERS

TITLE OF INVENTION: UNMERR: US/10/751,736

CURRENT APPLICATION NUMBER: US Provisional Application 60/438,000

PRIOR APPLICATION NUMBER: US Provisional Application 60/438,000

PRIOR PILING DATE: 2003-01-06

NUMBER OF SEQ ID NOS: 54873

SOFTWARE: PATENTING DATE: 2003-01-06

NUMBER OF SEQ ID NOS: 54873
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                                                                                                                                                                                                                                                                                                                       ; OTHER INFORMATION: Description of Artifical Sequence: Primer/Probe US-10-428-275-390
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 16.4; DB 1; Length Pred. No. 5e+02;
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PRIOR FILING DATE: 2001-02-23
PRIOR APPLICATION NUMBER: 60/185548
PRIOR FILING DATE: 2000-02-25
NUMBER OF SEQ ID NOS: 450
SOFTWARE: CuraSeqList version 0.1
SEQ ID NO 390
LENGTH: 21
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Best Local Similarity 94.4%;
Matches 17; Conservative
                                                                                                                                                                                                                                                         TYPE: DNA
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ; ORGANISM: RNAi-sense strand US-10-786-720-12305
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US-10-786-720-12305/c
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LENGTH: 21
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APPLICANT: Alvarez et al.

TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD FILE REFERENCE: 2102-05-01

CURRENT APPLICATION NUMBER: 09/96645

PRIOR PILING DATE: 2001-09-26

PRIOR PLILING DATE: 2001-09-26

PRIOR PLILING DATE: 2000-04-06

PRIOR PLILING DATE: 1999-04-09

PRIOR PLILING DATE: 1999-04-09

PRIOR PLILING DATE: 09/569269

PRIOR PLILING DATE: 00/134315

PRIOR PLILING DATE: 00/134315

PRIOR PLILING DATE: 09/619252

PRIOR PLILING DATE: 09/619252

PRIOR PLILING DATE: 09/619252

PRIOR PLILING DATE: 1999-05-14

PRIOR FILING DATE: 1999-05-14

PRIOR PLILING DATE: 1999-05-14
                         APPLICANT: Gunther, Erik
APPLICANT: Stone, David J
APPLICANT: Stone, David J
APPLICANT: Stone, David J
APPLICANT: Stone, David J
APPLICANT: Gangolli, Esha A
APLICANT: Gangolli, Esha A
APLICANT: Gangolli, Esha A
APLICANT: Gangolli, Esha A
APLICANTO: No. UG20030228301alel Human Proteins, Polymucleotides Encoding TH
TITLE OF INVENTION: No. UG20030228301alel Human Proteins, Polymucleotides Encoding TH
TITLE OF INVENTION: NOWBER: US00-10-24
CURRENT APPLICATION NUMBER: 60/242,882
PRIOR PLILING DATE: 2000-10-24
PRIOR PELING DATE: 2000-10-24
PRIOR APPLICATION NUMBER: 60/242,765
PRIOR APPLICATION NUMBER: 60/242,765
PRIOR APPLICATION NUMBER: 60/242,767
PRIOR PELING DATE: 2000-10-24
PRIOR PLING DATE: 2000-10-26
PRIOR PLING DATE: 2000-10-26
PRIOR APPLICATION NUMBER: 60/243,591
PRIOR PLING DATE: 2000-10-26
PRIOR APPLICATION NUMBER: 60/243,590
PRIOR PLING DATE: 2000-10-26
PRIOR APPLICATION NUMBER: 60/243,590
PRIOR PLING DATE: 2000-10-27
PRIOR APPLICATION NUMBER: 60/243,590
PRIOR APPLICATION NUMBER: 60/243,590
PRIOR APPLICATION NUMBER: 60/243,590
PRIOR PLING DATE: 2000-10-27
PRIOR PLING DATE: 2000-10-27
PRIOR APPLICATION NUMBER: 60/243,590
PRIOR PLING DATE: 2000-10-27
PRIOR PLING DATE: 2000-10-20
PRIO
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US-10-004-378A-153
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1161 TCCTGAACGTTTTGTTGA 1178
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ORGANISM: Artificial Sequence
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21 AACTGATGCCCTATTTTGCCC 1
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ORGANISM: Artificial Sequence
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Best Local Similarity 85.7
Matches 18; Conservative
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US-10-786-720-3343
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US-10-786-720-3343
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Best Local
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Sequence 3125, Application US/10847918

Publication No. US20050119210A1

GENERAL INFORMATION:
APPLICANT: Weth
APPLICANT: Howes, Steve
APPLICANT: APPLICANT: Slonim, Donna
APPLICANT: Howes, Steve
APPLICANT: Howes, Steve
APPLICANT: Howes, Steve
APPLICANT: Bornim, Donna
APPLICANT: APPLICANTON: Compositions and Methods for Diagnosing and Treating Cancers
FILE REFERENCE: 031896-026000 (AMI01264)
CURRENT FILING DATE: 2004-05-19
PRIOR PLING DATE: 2004-05-20
MANAGED APPLICATION NUMBER: US 60/471,729
MANAGED APPLICATION DATE: 2003-05-20
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                                                                                                       Gaps
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; Sequence 23, Application US/10105101A
; Publication Wo. US20030134290A1
; GENERAL INFORMATION:
; APPLICANT: Variagenics, Inc
; TITLE OF INVENTION: A Method for Identifying Polymorphisms
; FILE REFERENCE: 272/ide
; CURRENT APPLICATION NUMBER: US/10/105,101A
; CURRENT FILING DATE: 2002-09-30
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 23
; LENGTH: 21
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Pred. No. 5e+02;
5; Mismatches 1; Indels
                                                           Score 16.4; DB 1; Length 21;
Pred. No. 5e+02;
4; Mismatches 1; Indels
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                                                                                                                                              4044 TACAAGCAGTGGTACCAT 4061
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                                                           0.3%;
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SOFWARE: Patentin version 3.2
SEQ ID NO 3425
LENGTH: 21
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CRGANISM: RNAi-sense strand
US-10-847-918-3425
                                                                              Best Local Similarity 72.2
Matches 13; Conservative
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Best Local Similarity 66.7
Matches 12, Conservative
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hes 18; Conserv
; ORGANISM: RNA1
US-10-751-736-53486
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Best Local S
Matches 18
                                                             Query Match
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APPLICANT: Mikkola, Inguild APPLICANT: Mikkola, Inguild APPLICANT: Mikkola, Inguild APPLICANT: Heavey, Barry
ITLE OF INVENTION: Pars-deficient pro-B cells, methods of producing them and the use TITLE OF INVENTION: cells in human therapy
FILE REFERENCE: 0652.250001
CURRENT APPLICATION NUMBER: US 10/431,599
CURRENT PILING DATE: 2003-05-08
PRIOR APPLICATION NUMBER: US 60/385,582
PRIOR APPLICATION NUMBER: US 60/385,582
PRIOR APPLICATION NUMBER: BP 02 010 439.4
PRIOR PILING DATE: 2002-06-08
NUMBER OF SEQ ID NOS: 30
SOFTWARE: Patentin version 3.1
SEQ ID NO 26
LENGTH: 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: 0.Toole, Margot
APPLICANT: 0.Toole, Wei
APPLICANT: 0.Toole, Wei
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSING AND TREATING AUTOIMMUNE
TITLE OF INVENTION: DISEASES
TITLE OF INVENTION: DISEASES
TITLE OF MARCHING DATE: 0.004-02-26
CURRENT APPLICATION NUMBER: US/10/786,720
CURRENT FILING DATE: 2004-02-26
NUMBER OF SEQ ID NOS: 21135
SOFTWARE: Patentin version 3.2
SEQ ID NO 3343
LENGTH: 21
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85.7%; Pred. No. 5.2e+02;
tive 0; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 21;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 3343, Application US/10786720 Publication No. US20040191818A1 GENERAL INFORMATION: APPLICANT: Wyeth
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ; Sequence 3345, Application US/10786720
; Publication No. US20040191818A1
; GENERAL INFORMATION:
; APPLICANT: Wyeth
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Sequence 26, Application US/10431599
Publication No. US20040029271A1
GENERAL INFORMATION:
APPLICANT: Busslinger, Meinrad
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Sequence 4073, Application US/10786720
Publication No. US20040191818A1
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Weth
APPLICANT: Liu, Wei
APPLICANT: No INSERSES
FILE REFERENCE: 031896-023000 (AM101331L)
CURRENT APPLICATION UNMERS: US/10/786,720
CURRENT FILING DATE: 2004-02-26
NUMBER OF SEQ ID NOS: 21135
SOFTWARE: Patentin version 3.2
IENGTH: 21
                                                                                                                                                                                                                                                                     Sequence 4047, Application US/10786720

Publication No. US20040191818A1

Publication No. US20040191818A1

APPLICANT: Wyeth

APPLICANT: Wyeth

APPLICANT: Liu, Wei

TITLE OF INVENTION: DISEASES

FILE REFERENCE: 031969-0233000 (AM) 01331L)

CURRENT APLICATION NUMBER: US/10/786,720

CURRENT FILING DATE: 2004-02-26

NUMBER OF SEQ ID NOS: 21135

SEQ ID NO 4047

LENGTH: 21

LENGTH: 21
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                             Query Match 0.3%; Score 16.2; DB 1; Length 21; Best Local Similarity 85.7%; Pred. No. 5.2e+02; Matches 18; Conservative 0; Mismatches 3; Indels
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85.7%; Pred. No. 5.2e+02;
tive 0; Mismatches 3;
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0.3%; Score 16.2; DB 1;
Best Local Similarity 85.7%; Pred. No. 5.2e+02;
Matches 18; Conservative 0; Mismatches 3;
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                                                                                                                                3126 AAATGTAAATGAAGAATGGAA 3146
                                                                                                                                                                               1 AAATGAAGATGAGGAATGGAA 21
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: RNA; ORGANISM: ANAi-antisense strand US-10-786-720-4047
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: RNA
) ORGANISM: RNAi-sense strand
US-10-786-720-4073
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Best Local Similarity 85.73
Matches 18; Conservative
                                                                                                                                                                                                                                                                             US-10-786-720-4047/c
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US-10-786-720-4783
US-10-786-720-4045
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US-10-786-720-4045

Sequence 4045, Application US/10786720

Sequence 4045, Application US/10786720

Sequence 4045, Application US/10786720

Sequence 4045, Application US/10786720

GENERAL INFORMATION:
APPLICANT: O'TOOLE, Margot
APPLICANT: Liu, Wei
TITLE OF INVENTION: DISEASES
FILE REFERRACE: 031896-023000 (AM101331L)
CURRENT APPLICATION NUMBER: US/10/786,720

CURRENT APPLICATION NUMBER: US/10/786,720

CURRENT PILLING DATE: 2004-02-26

NUMBER OF SEQ ID NOS: 21135

SOFTWARE: PatentIn Version 3.2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        DEBREATH AND TREATHER WHETH APPLICANT: Wyeth APPLICANT: Wyeth APPLICANT: Wyeth APPLICANT: Wyeth APPLICANT: Liu, Weith APPLICANT: Liu, Weith APPLICANT: Liu, Weith COMPOSITIONS AND METHODS FOR DIAGNOSING AND TREATING AUTOIMMUNE TITLE OF INVENTION: DISEASES FILE REPRESENCE: 031896-023000 (AM.01331L.)
CURRENT APPLICATION NUMBER: US/10/786,720
CURRENT FILING DATE: 2004-02-26
NUMBER OF SEQ ID NOS: 21135
SOFTWARE: Patentin version 3.2
SEQ ID NO 3371
LENGTH: 21
         APPLICANT: O'TOOLE, MAIGOC
APPLICANT: Liu, Wei
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSING AND TREATING AUTOIMMUNE
TITLE OF INVENTION: DISEASES
FILE REFERENCE: 031896-023000 (AM101331L)
CURRENT APPLICATION NUMBER: US/10/786,720
CURRENT FILING DATE: 2004-02-26
NUMBER OF SEQ ID NOS: 21135
SOFTWARE: Patentin version 3.2
SOFTWARE: Patentin version 3.2
LENGTH: 21
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                                                                                                                                                                                                                                                                                                                                                                                                          3, Indels
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ilarity 85.7%; Pred. No. 5.2e+02;
Conservative 0; Mismatches 3;
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; Sequence 3371, Application US/10786720
; Publication No. US20040191818A1
; GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                        TYPE: RNA
CRGANISM: RNAi-antisense strand
US-10-786-720-3345
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: RNA
CRGANISM: RNAi-sense strand
US-10-786-720-3371
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ORGANISM: Homo sapiens
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Matches 18; Conserva
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LENGTH: 21
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Sequence 1321, Application US/10786720
| Sequence 1321, Application No. US20040191818A1
| Publication No. US20040191818A1
| Publication No. US20040191818A1
| APPLICANT: Wyeth
| APPLICANT: Liu, Wei
| TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSING AND TREATING AUTOIMMUNE TITLE OF INVENTION: US/10/786,720
| TITLE OF INVENTION: US/10/786,720
| CURRENT APPLICATION NUMBER: US/10/786,720
| CURRENT FILING DATE: 2004-02-26
| NUMBER OF SEQ ID NOS: 21135
| SOFTWARE: Patentin version 3.2
| LENGTH: 21
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CURRENT FILING DATE: 2004-02-26
NUMBER OF SEQ ID NOS: 21135
SOFTWARE: Patentin version 3.2
SEQ ID NO 13756
LENGTH: 21
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85.7%; Pred. No. 5.2e+02;
tive 0; Mismatches 3; Indel8
                                                                                                                                                                                                                      Length 21;
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                                                                                                                                                                                                               Query Match

0.3%; Score 16.2; DB 1;
Best Local Similarity 85.7%; Pred. No. 5.2e+02;
Matches 18; Conservative 0; Mismatches 3;
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0.3%; Score 16.2; DB 1;
Best Local Similarity 85.7%; Pred. No. 5.2e+02;
Matches 18; Conservative 0; Mismatches 3;
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; Sequence 13756, Application US/10786720
; Publication No. US20040191818A1
; GENERAL INFORMATION:
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US-10-786-720-13221
                                                                 TYPE: RNA
; ORGANISM: RNAi-sense strand
US-10-786-720-4811
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CORGANISM: Homo sapiene
US-10-786-720-13756
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Best Local Similarity
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   ; SEQ ID NO 4811
; LENGTH: 21
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| Publication No. US20040191818A1
| Publication No. US200440191818A1
| GENERAL INFORMATION:
| APPLICANT: Weth
| APPLICANT: O'Toole, Margot
| APPLICANT: Liu, Weit
| TITLE OF INVENTION: DISEASES
| TITLE OF INVEN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-10-786-720-4811/c

Sequence 4811, Application US/10786720

Sequence 4811, Application US/10786720

Publication No. US20040191818A1

GENERAL INFORMATION:
APPLICANT: Wyeth
APPLICANT: Liu, Weit
APPLICANT: Liu, Weit
TITLE OF INVENTION: DISEASES
TITLE OF INVENTION: DISEASES
TITLE OF INVENTION: DISEASES
TITLE OF INVENTION: UNMBER: US/10/786,720
CURRENT APPLICATION NUMBER: US/10/786,720
CURRENT FILING DATE: 2004-02-26
NUMBER OF SEQ ID NOS: 21135
SOFTWARE: PatentIn version 3.2
                                                                                                                           APPLICANT: 0'Toole, Margot
APPLICANT: 0'Toole, Margot
APPLICANT: 110, Wei
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSING AND TREATING AUTOIMMUNE
TITLE OF INVENTION: DISEASES
FILE REFERENCE: 031896-023000 (AM101331L)
CURRENT APPLICATION NUMBER: US/10/786,720
CURRENT FILING DATE: 2004-02-26
NUMBER OF SEQ ID NOS: 21135
SOFTWARE: Patentin version 3.2
SEQ ID NO 4783
LENGTH: 21
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0.3%; Score 16.2; DB 1; Length 21;
85.7%; Pred. No. 5.2e+02;
tive 0; Mismatches 3; Indels
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Sequence 4783, Application US/10786720 Publication No. US20040191818A1 GENERAL INFORMATION:
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Matches 18; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: DNA
ORGANISM: Homo sapiens
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US-10-786-720-4785/c
                                                                                                     APPLICANT: Wyeth
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Best Local (
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Sequence 17384, Application US/10786720

Publication No. US20040191818A1

GENERAL INFORMATION:
APPLICANT: Wyeth
APPLICANT: O'Toole, Margot
APPLICANT: Liu, Wei
TITLE OF INVENTION: DISEASES
FILE REFERENCE: 031896-023000 (AM101331L)
CURRENT APPLICATION NUMBER: US/10/786,720
CURRENT FILING DATE: 2004-02-26
NUMBER OF SEQ ID NOS: 21135
SOFTWARE: Patentin version 3.2

ELENGTH: 21

LINGHTH: 21

LINGHTH: 21
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APPLICANT: 10'Toole, Margot
APPLICANT: Liu, Wei
TITLE OF INVENTION: DISEASES
TITLE OF INVENTION: DISEASES
TITLE REPRESENCE: 011896-023000 (AM101331L)
CURRENT FILING DATE: 2004-02-26
NUMBER OF SEQ ID NOS: 21135
SOFTWARE: Patentin version 3.2
SEQ ID NO 18572
LENGTH: 21
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match 0.3%; Score 16.2; DB 1; Length 21; Best Local Similarity 42.9%; Pred. No. 5.2e+02; Matches 9; Conservative 9; Mismatches 3; Indels
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CURRENT APPLICATION NUMBER: US/10/786,720
CURRENT FILING DATE: 2004-02-26
NUMBER OF SEQ ID NOS: 21135
SSCTWARE: PatentIn version 3.2
SEQ ID NO 14484
LENGTH: 21
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1 GUAUGCCUUUGUCAACUACUU 21
                                                                                                                                                                                                                                                          ; ORGANISM: RNAi-antisense strand
US-10-786-720-14484
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                                                                                                                         Sequence 13757, Application US/10786720
Sequence 13757, Application US/10786720
Publication No. US20040191818A1
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Wyeth
APPLICANT: Wyeth
APPLICANT: Liu, Weit
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: 0'TOOLE, Margot
APPLICANT: 10'TOOLE, Margot
APPLICANT: Liu, Wei
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSING AND TREATING AUTOIMMUNE
TITLE OF INVENTION: DISEASES
FILE REFERENCE: 031896-023000 (AM101331L)
CURRENT APPLICATION NUMBER: 18/10/786,720
CURRENT FILING DATE: 2004-02-26
NUMBER OF SEQ ID NOS: 21135
SOFTWARE: Patentin version 3.2
SEQ ID NO 1758
LENGTH: 21
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Publication No. US20040191818A1
GENERAL INFORMATION:
APPLICANT: Wyeth
APPLICANT: Wyeth
APPLICANT: Wyeth
APPLICANT: Liu, Wei
ATITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSING AND TREATING AUTOIMMUNE TITLE OF INVENTION: DISEASES
FILE REFERENCE: 031896-023000 (AM101331L)
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1 GUCAGGCCUGUUCACUUCCUU 21
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CRGANISM: RNAi-antisense strand
US-10-786-720-13758
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: RNA
ORGANISM: RNAi-sense strand
US-10-786-720-13757
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Best Local Similarity
Matches 18; Conserv
                                                                                                              US-10-786-720-13757/c
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US-10-786-720-14484
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RESULT 596
US-10-751-736-19985/c
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US-10-751-736-19985
                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: RNA
ORGANISM: RNAi
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                                                                                                                                                                                                                                                 APPLICANT: "Your Martinez, Robert APPLICANT: Martinez, Robert APPLICANT: Brown, Eugene APPLICANT: Brown, Eugene APPLICANT: Liu, Wei TILL, Wei TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSING AND TREATING COLON TITLE OF INVENTION: CANCERS FILE REFERENCE: AM100927 (031896-002000)
CURRENT APPLICATION NUMBER: US/10/751,736
CURRENT FILING DATE: 2003-01-06
RIOR FILING DATE: 2003-01-06
NUMBER OF SEQ ID NOS: 54873
SOFTWARE: Patentin version 3.2
SEQ ID NO 1936
LENGTH: 21
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APPLICANT: Martinez, Robert
APPLICANT: Martinez, Robert
APPLICANT: Liu, Wei
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSING AND TREATING COLON
TITLE OF INVENTION: CANCERS
FILE REFERENCE: AM100927 (031896-002000)
CURRENT APPLICATION NUMBER: US/10/751,736
CURRENT FILING DATE: 2003-01-06
PRIOR APPLICATION NUMBER: US Provisional Application 60/438,000
PRIOR PILING DATE: 2003-01-06
NUMBER OF SEQ ID NOS: 54873
SOFTWARE: Patentin version 3.2
SEQ ID NO 2183
LENGTH: 21
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                                                                                                                                                                ; Sequence 1936, Application US/10751736; Publication to . US20040265230A1; GENERAL INFORMATION: APPLICANT: Wyeth
3263 GTGTCCCTTTGTCAACTTCTT 3283
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                         1 GUAUGCCUUUGUCAACUACUU 21
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US-10-751-736-1936
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Best Local Similarity
Matches 16; Conserv
                                                                                                                 RESULT 593
US-10-751-736-1936
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; ORGANISM: RNAi
US-10-751-736-2183
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RESULT 595

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Sequence 5694, Application US/10751736

Publication No. US20040265230A1

Publication No. US20040265230A1

APPLICANT: Wyeth

APPLICANT: Wyeth

APPLICANT: Brown, Eugene

TITLE OF INVENTION: CANCERS

TITLE OF INVENTION: CANCERS

TITLE OF INVENTION: CANCERS

TITLE OF INVENTION: US-002000)

CURRENT FILING DATE: 2003-01-06

PRIOR APPLICATION NUMBER: US/10/751,736

CURRENT FILING DATE: 2003-01-06

NUMBER OF SEQ ID NOS: 54873

SOFTWARE: Patentin version 3.2

LENGTH: 21
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APPLICANT: Martinez, Robert
APPLICANT: Brown, Eugene
APPLICANT: Liu, Wei
TITLE OF INVENTION: CANCERS
TITLE OF INVENTION: CANCERS
TITLE OF INVENTION: CANCERS
TITLE OF INVENTION: CANCERS
TITLE OF APPLICATION NUMBER: US/10/751,736
CURRENT APPLICATION NUMBER: US/10/751,736
CURRENT APPLICATION NUMBER: US/PSOVISIONAL APPLICANTON NUMBER: US/PS
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85.7%; Pred. No. 5.2e+02;
iive 0; Mismatches 3; Indels
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; Publication No. US20040265230A1
; GENERAL INFORMATION:
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Publication No. US20040265230A1
GENERAL INFORMATION:
APPLICANT: Wyeth
APPLICANT: Martinez, Robert
APPLICANT: Brown, Eugene
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Best Local Similarity 57.13
Matches 12; Conservative
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Best Local Similarity 85.7
Matches 18; Conservative
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PRIOR APPLICATION NUMBER: DN 510/92
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                                                                                                                                                                                                                                                                                           FEATURE:
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Sequence 94, Application No. US2005009041A1

Publication No. US2005009041A1

GENERAL INFORMATION:

APPLICANT: Buchard, Ole

APPLICANT: Buchard, Ole

APPLICANT: Buchard, Ole

APPLICANT: Berg, Rolf Henrik

TITLE OF INVENTION: PEPTIDE NUCLEIC ACIDS AND SYNTHETIC PROCEDURES THEREFOR

TITLE OF INVENTION: PEPTIDE NUCLEIC ACIDS OF PRIOR FILING DATE: 1995-06-05

CURRENT APPLICATION NUMBER: US/10/755,118

PRIOR APPLICATION NUMBER: US/08/462,977

PRIOR PILING DATE: 1995-06-05

PRIOR FILING DATE: 1993-11-22

PRIOR PILING DATE: 1993-11-22

PRIOR PILING DATE: 1993-11-22

PRIOR PILING DATE: 1993-06-22
            APPLICANT: Liu, Wei
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSING AND TREATING COLON
TITLE OF INVENTION: CANCERS
FITLE OF INVENTION: CANCERS
FILE REFERENCE: AMIO0927 (031896-002000)
CURRENT FILING DATE: 2003-01-06
PRIOR APPLICATION NUMBER: US Provisional Application 60/438,000
PRIOR PILING DATE: 2003-01-06
NUMBER OF SEQ ID NOS: 54873
SEQ ID NO 48150
LENGTH: 21
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TITLE OF INVENTION: A Method for Identifying Polymorphisms FILLS REFERENCE: 7011463001.
CURRENT APPLICATION NUMBER: US/10/839,686
CURRENT FILING DATE: 2004-05-04
NUMBER OF SEQ ID NOS: 25
SOFTWARE: Patentin version 3.1
IENGTH: 21
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Best Local Similarity 85.7
Matches 18; Conservative
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                                                                                                                                                                                                                                                                                                        ; TYPE: RNA
; ORGANISM: RNAi
US-10-751-736-48150
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US-10-755-118-94/C
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US-10-839-686-23/c
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Sequence 3, Application US/10608863

Publication No. US20040214192A1

GENERAL INFORMATION:

APPLICANT: Hashida, Ryoichi

APPLICANT: Sagita, Yuuji

APPLICANT: Saito, Hirohisa

TITLE OF INVENTION: METHODS FOR EXAMINATION FOR ALLERGIC DISEASES, AND DRUGS FOR TREATITIE OF INVENTION: METHODS FOR EXAMINATION FOR ALLERGIC DISEASES, AND DRUGS FOR TREATITIE OF INVENTION: WILLERGIC DISEASES

TITLE OF INVENTION: USAGITA DEPLICANTION NUMBER: US/10/608,863

CURRENT APPLICATION OF THE SAGITATION OF THE SAGI
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US-09-780-533A-643/C
US-09-780-533A-643/C
Sequence 643, Application US/09780533A

publication No. US20030060611A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Glowrita, Bharat
APPLICANT: Chowrita, Bharat
APPLICANT: Haeberli, Pete
TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO Gene
FILE REFERENCE: MBHB00, 878-A (400/011)
CURRENT PILLORD DATE: 2001-02-09
PRIOR APPLICATION NUMBER: US 60/181,797
PRIOR PLILOR DATE: 2000-02-11
NUMBER OF SEQ ID NOS: 6679
SOFTWARE: Patentin version 3.0
SEQ ID NO 643
SEQ ID NO 643
SEQ ID NO 643
SEQ ID NO 643
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0.3%; Score 16; DB 1; Length 16;
Best Local Similarity 100.0%; Pred. No. 4.2e+02;
Matches 16; Conservative 0; Mismatches 0; Indels
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0.3%; Score 16; DB 1; L4
Best Local Similarity 100.0%; Pred. No. 4.5e+02;
Matches 16; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       OTHER INFORMATION: Synthetic Construct
PRIOR FILING DATE: 1992-04-15
PRIOR APPLICATION NUMBER: DN 987/91
PRIOR FILING DATE: 1991-05-24
PRIOR APPLICATION NUMBER: DN 986/91
PRIOR FILING DATE: 1991-05-24
NUMBER OF SEQ ID NOS: 157
SOFTWARE: Patentin version 3.2
SEQ ID NO 94
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ORGANISM: Artificial Sequence
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Sequence 5, Application US/09380728A

Sequence 5, Application US/09380728A

Patent No. US20020081583A1

APPLICANT: Abe, Satoshi

APPLICANT: Rodama, Hirofuni

TITLE OF INVENTION: same, solid phases for detection of the same and preparation methods of CURRENT APPLICATION NUMBER: US/09/380,728A

CURRENT APPLICATION NUMBER: US/09/380,728A

CURRENT FILING DATE: 1999-09-08

NUMBER OF SEQ ID NOS: 19
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; CTHER INFORMATION: a synthetic probe nucleic acid, 5'-terminus:Phosphorylated,
; OTHER INFORMATION: 3'-terminus:Biotin
US-09-380-728A-5
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ; OTHER INFORMATION: Description of Artificial Sequence:Artificially; OTHER INFORMATION: Synthesized Primer Sequence US-10-608-863-5
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Publication No. US20020177137A1

GENERAL INFORMATION:

APPLICANT: Hodge, Timethy A.

TITLE OF INVENTION: System for Automated Transgenic Screening
FILE REFERENCE: 02313.41500

CURRENT FILING DATE: 2001-12-06

PRIOR PELICATION NUMBER: US/09/945,952A

CURRENT FILING DATE: 2001-06-09

NUMBER OF SEQ ID NOS: 40

SOFTWARE PREDICTION OF SEQ 10

SOFTWARE PRICE PREDICTION OF SEQ 10

SOFTWARE PRICE SOFTWARE SOFT
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5.1e+02;
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0.3%; Score 16; DB 1; Le
Best Local Similarity 100.0%; Pred. No. 4.5e+02;
Matches 16; Conservative 0; Mismatches 0;
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                                               PRIOR APPLICATION NUMBER: JP 2002-188490
PRIOR FILING DATE: 2002-06-27
NUMBER OF SEQ ID NOS: 18
SOFTWARE: Patentin Ver. 2.0
LENGTH: 17
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                       2003-06-27
                                                                                                                                                                                                                                                                                                                                                                                              TYPE: DNA
ORGANISM: Axtificial Sequence
FEATURE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       16 AAAAAAAAAAAAAA 1
                       CURRENT FILING DATE:
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publication No. US20040214192A1

GENERAL INFORMATION:
APPLICANT: Hashida, Ryoichi
APPLICANT: Sugita, Yuji
APPLICANT: Sugita, Yuji
APPLICANT: Salco, Hirohisa
TITLE OF INVENTION: METHODS FOR EXAMINATION FOR ALLERGIC DISEASES, AND DRUGS FOR TREP
TITLE OF INVENTION: ALLERGIC DISEASES
TITLE 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: Heshids, Ryoichi
APPLICANT: Kagaya, Shinji
APPLICANT: Kagaya, Shinji
APPLICANT: Kagaya, Shinji
APPLICANT: Sugita, Yuji
APPLICANT: Sugita, Y
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; OTHER INFORMATION: Synthesized Primer Sequence
US-10-608-863-3
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PRIOR APPLICATION NUMBER: JP 2002-188490
PRIOR FILING DATE: 2002-06-27
NUMBER OF SEQ ID NOS: 18
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 3
LENGTH: 17
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ORGANISM: Artificial Sequence
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Best Local Similarity 100.
Matches 16; Conservative
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US-10-608-863-4/c
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US-10-608-863-5/c
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TYPE: DNA
CRGANISM: Homo sapiens
US-10-714-796-233
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US-10-316-755-44/C
US-10-316-755-44/C
US-10-316-755-44/C
Sequence 44, Application US/10316755
Publication No. US20040110152A1
GENERAL INFORMATION:
APPLICANT: Lex M. Cowsert
TITLE OF INVENTION: MODULATION OF MATRIX METALLOPROTEINASE 11 EXPRESSION
FILE REPERENCE: RTS-0381
CURRENT APPLICATION UNMBER: US/10/316,755
CURRENT FILING DATE: 2002-12-10
NUMBER OF SEQ ID NOS: 277
SEQ ID NO 44
LENGTH: 20
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US-10-233-942-34
| Sequence 34, Application US/10233942
| Sequence 34, Application US/10233942
| Publication No. US20030165922A1
| GENERAL INFORMATION:
| APPLICANT: Hodge, Timothy et al TILE OF INVENTION: System for Automated Transgenic Screening FILE REFERENCE: 023131-41500
| CURRENT FILING DATE: 20131-41500 |
| CURRENT FILING DATE: 2000-09-03 |
| PRIOR FILING DATE: 2000-06-09 |
| NUMBER OF SEQ ID NOS: 40 |
| SOFTWARE: PatentIn version 3.1 |
| LENGTH: 20 |
| LENGT
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                                                                                                        Query Match 0.3%; Score 16; DB 1; Length 20; Best Local Similarity 100.0%; Pred. No. 5.1e+02; Matches 16; Conservative 0; Mismatches 0; Indels
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, ORGANISM: Streptomyces hygroscopicus
US-09-945-952A-34
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Matches 16; Conserva
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US-10-714-796-233
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Publication No. US20040180847A1
GENERAL INFORMATION:
APPLICANT: Dobie, Kenneth W.
TITLE OF INVENTION: ANTISENSE MODULATION OF KINESIN-LIKE 1 EXPRESSION
TITLE OF INVENTION: ANTISENSE MODULATION OF KINESIN-LIKE 1 EXPRESSION
FILE REPERBENCE: ISHT-1004
CURRENT APPLICATION NUMBER: US/10/714,796
CURRENT PILING DATE: 2003-11-17
PRIOR PLING DATE: 2002-05-23
NUMBER OF SEQ ID NOS: 237
SOFTWARE PACENTIN version 3.2
SEQ ID NO 233
LENGTH: 20
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Sequence 25, Application US/10607806

Publication No. US20050014158A1

SERREAL INFORMATION:
APPLICANT: Adam, Gail Isabel Reid
APPLICANT: Dennis, Edward
APPLICANT: Dennisemko, Mikhali F.
APPLICANT: Cantor, Charles
APPLICANT: Rubin, Byrow, Mikhali F.
APPLICANT: Cantor, Charles
APPLICANT: Rubin, Byrow BENOSTITON BY TITLE OF INVENTION: THERAPEUTIC METHODS FOR REDUCING FAT
TITLE OF INVENTION: DEPOSITION AND TREATING ASSOCIATED CONDITIONS
TITLE OF INVENTION UNMBER: US/10/607,806
CURRENT PLING DATE: 2003-06-27
FRIOR APPLICATION NUMBER: 60/392,362
FRIOR APPLICATION NUMBER: 60/392,362
FRIOR APPLICATION NUMBER: 60/392,362

NUMBER OF SEQ ID NOS: 78

SOFTWARE FastSEQ for Windows Version 4.0

LENGTH: 20

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0.3%; Score 16; DB 1; Le:
Best Local Similarity 100.0%; Pred. No. 5.1e+02;
Matches 16; Conservative 0; Mismatches 0;
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0.3%; Score 16; DB 1; Le
Best Local Similarity 100.0%; Pred. No. 5.1e+02;
Matches 16; Conservative 0; Mismatches 0;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                3760 GCTGTCCAGCTTCTTG 3775
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Sequence 12, Application US/09928796A
; Patent No. US20020042086A1
; GENERAL INFORMATION:
; APPLICANT: Schwarz, Margaret A.
; APPLICANT: Schwarz, Margaret A.
; APPLICANT: Gebb, Sarah A.
; TITLE OF INVENTION: Methods of Facilitating Vascular Growth
; FILE REFERENCE: EMAP2 and Vascularization
; CURRENT APPLICATION NUMBER: US/09/928,796A
; FILE REFERENCE: EMAP2 and Vascularization
; CURRENT APPLICATION NUMBER: US/09/928,796A
; FILE REFERENCE: EMAP2 and Vascularization
; CURRENT APPLICATION NUMBER: US/09/139,616
; RIOR FILING DATE: 1999-11-12
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 12
                                                                                                                                                                                                                                                                                                                                                      JOURNAMY INFORMATION:
JAPPLICANT: Schwarz, Margaret A.
JAPPLICANT: Schwarz, Fangrong
JAPPLICANT: Schwarz, Fangrong
JAPPLICANT: Gebb, Sarah A.
JILLE OF INVENTION: Methods of Facilitating Vascular Growth
FILE REFERENCE: EMAP2 and Vascularization
GURRENT APPLICATION NUMBER: US/09/928,796A
JPRIOR PILING DATE: 2001-08-13
PRIOR PILING DATE: 1999-11-12
JNUMBER OF SEQ ID NOS: 12
JSEQ ID NO 6
JSEQ ID NO 6
JENGTH: 21
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FEATURE:
COTHEN INFORMATION: Description of Artificial Sequence: primer US-09-928-7968-12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ; OTHER INFORMATION: Description of Artificial Sequence: primer
US-09-928-796A-6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match 0.3%; Score 16; DB 1; Length 21; Best Local Similarity 100.0%; Pred. No. 5.3e+02; Matches 16; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                  Sequence 6, Application US/09928796A Patent No. US20020042086A1 GENERAL INFORMATION:
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ORGANISM: Artificial Sequence
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US-09-928-796A-6
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0.3%; Score 16; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 5.1e+02;
Matches 16; Conservative 0; Mismatches 0; Indels
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APPLICANT: Jurk, Marion
APPLICANT: Lipford, Grayson
APPLICANT: Lipford, Grayson
APPLICANT: Rankin, Robert
TITLE OF INVENTION: INWUNOSTIMULATORY NUCLEIC ACIDS
FILER REFERENCE: C1037.700480200
CURRENT APPLICATION NUMBER: US/10/644.052A
CURRENT FILING DATE: 2003-08-19
PRIOR FILING DATE: 2002-08-19
PRIOR FILING DATE: 2002-08-19
PRIOR FILING DATE: 2002-08-19
PRIOR APPLICATION NUMBER: US 60/404,820
PRIOR APPLICATION NUMBER: US 60/404,377
PRIOR FILING DATE: 2002-11-27
PRIOR FILING DATE: 2002-11-27
PRIOR FILING DATE: 2002-11-27
PRIOR FILING DATE: 2002-14
NUMBER OF SEQ ID NOS: 388
SOFTWARE: Patentin version 3.2
LENGTH: 20
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APPLICANT: LULK, Marion
APPLICANT: LULK, Marion
APPLICANT: LULK, Marion
APPLICANT: RANKIN, ROBERC
TITLE OF INVENTION: IMMUNOSTIMULATORY NUCLEIC ACIDS
FILE REFERENCE: C1037.70048US00
CURRENT APPLICATION NUMBER: US/10/644,052A
CURRENT FILING DATE: 2003-08-19
FRIOR FILING DATE: 2002-08-19
FRIOR FILING DATE: 2002-11-27
FRIOR FILING DATE: 2002-11-27
FRIOR FILING DATE: 2003-02-14
NUMBER OF SEQ ID NOS: 388
SOFTWARE: PATCH IN NUMBER: US 60/447,377
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ILENGHAL
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US-10-644-052A-377
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US-10-644-052A-377/c
Sequence 377, Application US/10644052A
; Publication No. US20050059619A1
; GENERAL INFORMATION:
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ORGANISM: Artificial sequence
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APPLICANT: Samulowitz, Ulrike
APPLICANT: Vollmer, Josep
APPLICANT: Uhlmann, Eugen
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: DNA
ORGANISM: Artificial sequence
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APPLICANT:
APPLICANT:
APPLICANT:
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ô Сарв ö Query Match 0.3%; Score 16; DB 1; Length 21; Best Local Similarity 100.0%; Pred. No. 5.3e+02; Matches 16; Conservative 0; Mismatches 0; Indels ; Sequence 36, Application US/10871302 RESULT 614 US-10-871-302-36/c

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; OTHER INFORMATION: Description of Artificial Sequence: Target sequence/sinA sense rous-10-251-117-247
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US-10-251-17-496
US-10-251-17-496
US-10-251-17-496
US-10-251-496, Application US/10251117
Publication No. US20030170891A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: McSwiggen, James
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Epidermal Growth Factor R
TITLE OF INVENTION: Gene Expression Using Short Interfering RNA
FILE REPERENCE: 900/042 (MBHB02-468-A)
CURRENT APPLICATION NUMBER: US/10/251,117
; CURRENT FILING DATE: 2003-02-24
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0.3%; Score 15.8; DB 1; Length 19;
Best Local Similarity 89.5%; Pred. No. 5.1e+02;
Matches 17; Conservative 0; Mismatches 2; Indels
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0.3%; Score 16; DB 1; L.
Best Local Similarity 100.0%; Pred. No. 5.3e+02;
Matches 16; Conservative 0; Mismatches 0;
CURRENT FILING DATE: 2004-05-19
PRIOR APPLICATION NUMBER: US 60/471,729
PRIOR FILING DATE: 2003-05-20
NUMBER OF SEQ ID NOS: 14937
SOFTWARE: PatentIn version 3.2
SEQ ID NO 3426
LENGTH: 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 247, Application US/10251117
Publication No. US20030170891A1
GENERAL INFORMATION:
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                                                                                                                                                      TYPE: RNA; ORGANISM: RNAi-antisense strand
US-10-847-918-3426
                                                                                                                                                                                                                                                                                                                      955 ITCCAGATCCTGACAG 970
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ORGANISM: Artificial Sequence
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US-10-251-117-247/c
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Publication No. US20050003418A1
GENERAL INFORMATION:
APPLICANT: SAMSUNG ELECTRONICS CO. LTD.
TITLE OF INVENTION: Multiplex PCR primer set for human MODY 1, 4, 5, 6 and 7 gene
TITLE OF INVENTION: amplification
FILE REFERENCE: SI004345
CURRENT PELING NUMBER: US/10/871,302
CURRENT FILING DATE: 2004-06-19
NUMBER OF SEQ ID NOS: 42
SOFTWARE: Kopatentin 1.71
SEQ ID NO 36
LENGTH: 21
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US-10-847-918-3426/c
US-10-847-918-3426/c
Sequence 3426, Application US/10847918
; Sequence 3426, Application No. US20050119210A1
; GENERAL INFORMATION:
APPLICANT: Hower, Weth
APPLICANT: Liouim, Donna
APPLICANT: Howes, Steve
; TITLE OF INVENTION: Compositions and Methods for Diagnosing and Treating Cancers
; FILE REPRENCE: 031896-036000 (AM101264)
; CURRENT APPLICATION NUMBER: US/10/847,918
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: Myell Myell Maching
APPLICANT: Be, Xiaobing
APPLICANT: Liu, Wei
APPLICANT: Liu, Wei
APPLICANT: Slow Donna
APPLICANT: Slow Steve
TITLE OF INVENTION: Compositions and Methods for Diagnosing and Treating Cancers
TITLE OF INVENTION: Compositions and Malo 1264)
CURRENT APPLICATION NUMBER: US/10/847,918
CURRENT FILING DATE: 2004-05-19
PRIOR PELLING DATE: 2003-05-20
NUMBER OF SEQ ID NOS: 14937
SEQ ID NO 3424
LENGTH: 21
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                                                                                                                                                                                                                                                                                                                                                                                             0.3%; Score 16; DB 1; Length 21;
100.0%; Pred. No. 5.3e+02;
tive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ; Sequence 3424, Application US/10847918
; Fublication No. US20050119210A1
; GENERAL INFORMATION:
; APPLICANT: Wyeth
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                                                                                                                                                                                                                                                                              TYPE: DNA
ORGANISM: Artificial Sequence
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Best Local Similarity 100.
Matches 16; Conservative
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Matches 16; Conservative
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COTHER INFORMATION: primer US-10-871-302-36
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TITLE OF INVENTION: RNA Interference Mediated Inhibition of HIV Gene Expression Using FILE REPERENCE: 406/054 (MRHBOL-665-B)
CURRENT APPLICATION NUMBER: US/10/225, 023
CURRENT FILING DATE: 2003-01-06
PRIOR PAPLICATION NUMBER: US 60/398, 036
PRIOR PAPLICATION NUMBER: US 60/294,140
PRIOR PAPLICATION NUMBER: US 60/294,140
PRIOR PAPLICATION NUMBER: US 60/294,140
PRIOR PLING DATE: 2002-05-29
PRIOR APPLICATION NUMBER: US 10/157,580
PRIOR APPLICATION NUMBER: US 10/157,580
PRIOR PILING DATE: 2002-05-29
NUMBER OF SEQ ID NOS: 1494
SOFTWARE: PatentIn version 3.0
SEQ ID NO 938
LENGTH: 19
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Sequence 4157, Application US/20040005584A1

GENERAL INFORMATION:

APPLICANT: Cohen, Daniel

APPLICANT: Chumakov, Ilya

APPLICANT: Chumakov, Ilya

APPLICANT: Chumakov, Ilya

TITLE OF INVENTION: Biallelic markers for use in constructing a high density...

FILE REFERENCE: GENERT. 020CF1

CURRENT APPLICATION NUMBER: US/10/349,143

CURRENT FILING DATE: 2003-01-21

PRIOR APPLICATION NUMBER: US/09/422,978

PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/109,732

PRIOR FILING DATE: BARLIER FILING DATE: 1999-04-21

PRIOR FILING DATE: BARLIER FILING DATE: 1998-11-23

PRIOR FILING DATE: EARLIER FILING DATE: 1998-11-23

PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-21

PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-21

FRIOR APPLICATION NUMBER: EARLIER FILING DATE: 1998-04-21

FRIOR SEQ ID NOS: 11796
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; OTHER INFORMATION: Description of Artificial Sequence: siNA antisense region
US-10-225-023-838
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0.3%; Score 15.8; DB 1; Length 19;
Best Local Similarity 89.5%; Pred. No. 5.1e+02;
Matches 17; Conservative 0; Mismatches 2; Indels
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89.5%; Pred. No. 5.1e+02;
tive 0; Mismatches 2;
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US-10-883-218-138/c
; Sequence 138, Application US/10883218
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ORGANISM: Artificial Sequence
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Best Local Similarity 89.5
Matches 17, Conservative
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Publication No. US20030175950A1

GENERAL INFORMATION:

APPLICANT: Ribozyme Pharmaceuticals, Inc.

APPLICANT: Ribozyme Pharmaceuticals, Inc.

APPLICANT: McSwiggen, James

TITLE OF INVENTION: RNA Interference Mediated Inhibition of HIV Gene Expression Using

TITLE OF INVENTION: Interfering RNA

FILE REPERENCE: 400/054 (MRHB01-665-8)

CURRENT APPLICATION NUMBER: US 60/398, 036

PRIOR FILING DATE: 2002-07-23

PRIOR FILING DATE: 2002-05-29

NUMBER OF SEQ ID NOS: 1494

SOFTWARE: Patentin version 3.0

SEQ ID NO 100
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; OTHER INFORMATION: Description of Artificial Sequence: Target sequence/sinA sense
US-10-225-023-100
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; OTHER INFORMATION: Description of Artificial Sequence: sinA antisense region
US-10-251-117-496
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PRIOR APPLICATION NUMBER: US 60/393,924
PRIOR FILING DATE: 2002-07-03
PRIOR PLILNG DATE: 2002-06-06
PRIOR PLILNG DATE: 2002-06-06
PRIOR PLILNG DATE: 2002-02-20
PRIOR PLILNG DATE: 2002-02-20
PRIOR PLILNG DATE: 2001-07-25
PRIOR PLILNG DATE: 2001-07-25
PRIOR PLILNG DATE: 2001-07-25
PRIOR PLILNG DATE: 2001-07-25
PRIOR FILING DATE: 2001-06-06
NUMBER OF SEQ ID NOS: 1213
SOFTWARE: PALENTIN VERSION 3.0
SOFTWARE: PALENTIN VERSION 3.0
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Publication No. US20030175950A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: McSwiggen, James
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          5024 TAAAAAAAAAAAAAA 5042
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ORGANISM: Artificial Sequence
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Best Local Similarity 84.27
Matches 16; Conservative
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US-10-225-023-838/c
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US-10-225-023-100
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, OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/sinA sense r<sup>o</sup>
US-10-892-922-73
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Publication No. US20050124569A1

GENERAL INFORMATION:
APPLICANT: APPLICANT: APPLICANT: Guerciclini, Roberto
APPLICANT: McSwiggen, James
TITLE OF INVENTION: RNA Interference Mediated Inhibition of CXCR4 Gene Expression
TITLE OF INVENTION: Using Short Interfering Nucleic Acid (sina)
FILE REFERENCE: 400-198
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 73, Application US/10892922

| Sequence 73, Application US/20550124569A1
| Sequence 73, Application No. US20050124569A1
| GENERAL INFORMATION:
| APPLICANT: Sirna Therapeutics, Inc. APPLICANT: Sirna Therapeutics, Inc. APPLICANT: McSwiggen, James
| TITLE OF INVENTION: RNA Interference Mediated Inhibition of CXCR4 Gene Expression TITLE OF INVENTION: Using Short Interfering Nucleic Acid (sinA)
| TITLE OF INVENTION: Using Short Interfering Nucleic Acid (sinA)
| TITLE OF INVENTION: Using Short Interfering Nucleic Acid (sinA)
| TITLE OF INVENTION NUMBER: US/10/892,922
| CURRENT FILING DATE: 2004-07-16
| NUMBER OF SEQ ID NOS: 296
| SOFTWARE: PatentIn version 3.3
| SEQ ID NO 73
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          , OTHER INFORMATION: Description of Artificial Sequence: siNA antisense region
US-10-883-218-540
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PRIOR APPLICATION NUMBER: US 10/444,853
PRIOR PILING DATE: 2003-05-23
PRIOR PLLING DATE: 2003-05-23
PRIOR PLLING DATE: 2003-04-30
PRIOR PLLING DATE: 2003-04-30
PRIOR APPLICATION NUMBER: PCT/US03/05346
PRIOR APPLICATION NUMBER: PCT/US03/05028
PRIOR APPLICATION NUMBER: PCT/US03/05028
PRIOR PILING DATE: 2003-02-20
PRIOR PLING DATE: 2002-02-00
PRIOR PLING DATE: 2002-02-00
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 930
SOFTWARE: PatentIn version 3.3
SEQ ID NO 540
LENGTH: 19
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ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
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Sequence 540, Application US/10883218

Sequence 540, Application US/10883218

Sequence 540, Application Vo. US20060124567A1

GENERAL INFORMATION:

APPLICANT: Sirna Therapeutics, Inc.

APPLICANT: McSwiggen, James

TITLE OF INVENTION: RNA INterference Mediated Inhibition of TRPM7 Gene Expression

TITLE OF INVENTION: RNA INTERFERENCE: 400/195 (WBHB04-535)

FILE REFERENCE: 400/195 (WBHB04-535)

FURRENT FILING DATE: 2004-07-01

PRIOR APPLICATION NUMBER: PCT/US04/16390

PRIOR APPLICATION NUMBER: US 10/757,803

PRIOR FILING DATE: 2004-04-16

PRIOR FILING DATE: 2004-01-14

PRIOR FILING DATE: 2004-01-14

PRIOR FILING DATE: 2003-11-24

PRIOR FILING DATE: 2003-11-24

PRIOR FILING DATE: 2003-11-24

PRIOR FILING DATE: 2003-10-23

PRIOR FILING DATE: 2003-10-23
                                                                                                                                                       APPLICANT: Haeberli, Peter Applicant; Action of TRPM7 Gene Expression TITLE OF INVENTION: Using Short Interfering Nucleic Acid (siNA) FILE OF INVENTION: Using Short Interfering Nucleic Acid (siNA) FILE REFERENCE: 400 (195 (MBHB04-355)
FILE REFERENCE: 400 (195 (MBHB04-355)
CURRENT PELLON NUMBER: US/10/883,218
CURRENT FILING DATE: 2004-07-07.
FRICK FILING DATE: 2004-07-07.
FRICK FILING DATE: 2004-04-16
FRICK FILING DATE: 2004-04-16
FRICK FILING DATE: 2004-04-16
FRICK FILING DATE: 2004-04-16
FRICK FILING DATE: 2003-11-24
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FRICK FILING DATE: 2003-10-23
FRICK FILING DATE: 2003-05-23
FRICK FILING DATE: 2003-05-23
FRICK FILING DATE: 2003-05-23
FRICK FILING DATE: 2003-04-30
FRICK FILING DATE: 2003-05-20
FRICK FILING DATE: 2003-04-30
FRICK FILING DATE: 2003-05-20
FRICK FILING DATE: 2003-04-30
FRICK FILING DATE: 2003-04-30
FRICK FILING DATE: 2003-02-20
FRICK FILING DATE: 2003-04-30
FRICK FILING DATE: 200
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US-10-883-218-138
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0.3%; Score 15.8; DB 1; Length 19;
Best Local Similarity 89.5%; Pred. No. 5.1e+02;
Matches 17; Conservative 0; Mismatches 2; Indels
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                               Publication No. US20050124567A1
GENERAL INFORMATION:
APPLICANT: Sirna Therapeutics, Inc.
APPLICANT: Haeberli, Peter
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ORGANISM: Artificial Sequence
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APPLICANT: McSwiggen, James
APPLICANT: Beigelman, Leonid
APPLICANT: Beigelman, Leonid
APPLICANT: Haeberil, Pete
APPLICANT: Haeberil, Pete
APPLICANT: Usman, Nassim
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Polycomb Group Protein
TITLE OF INVENTION: EXIZ Gene Expression Using Short Interfering Nucleic Acid (siNA)
FILE REFERENCE: 400/211 (MBHB03-074-C)
CURRENT APPLICATION NUMBER: US/10/923,580
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US-10-923-580-296
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PRIOR APPLICATION NUMBER: 2003-02-13
PRIOR PILING DATE: 2003-02-13
PRIOR PILING DATE: 2002-11-19
PRIOR FILING DATE: 2002-11-19
PRIOR FILING DATE: 2004-01-19
PRIOR FILING DATE: 2004-04-16
PRIOR FILING DATE: 2004-04-16
PRIOR FILING DATE: 2004-01-14
PRIOR FILING DATE: 2004-01-14
PRIOR FILING DATE: 2003-11-24
PRIOR PLICATION NUMBER: US 10/720,448
PRIOR PLICATION NUMBER: US 10/720,448
PRIOR PLING DATE: 2003-11-24
PRIOR PLING DATE: 2003-11-24
PRIOR PLING DATE: 2003-11-23
PRIOR FILING DATE: 2003-11-23
PRIOR FILING DATE: 2003-05-23
PRIOR PLICATION NUMBER: US 10/444,853
PRIOR FILING DATE: 2003-02-20
PRIOR PLING DATE: 2003-02-20
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0.3%; Score 15.8; DB 1; Length 19;
Best Local Similarity 89.5%; Pred. No. 5.1e+02;
Matches 17; Conservative 0; Mismatches 2; Indels
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CURRENT FILING DATE: 1999-12-01
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Publication No. US2003009195A1
GENERAL INFORMATION:
APPLICANT: Buechler, Joe
APPLICANT: Valkirs, Gunars
APPLICANT: Gray, Jeff
APPLICANT: Gray, Jeff
APPLICANT: Biosite Diagnostics, Inc.
APPLICANT: Genberg, Nils
TITLE OF INVENTION: Human Antibodies
FILE REFERENCE: 020015-000110US
                                                                                                                                                                                                                                    Sequence 296, Application US/10923580 Publication No. US20050159382A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        5020 ACTGTAAAAAAAAAAA 5038
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                                          1 ACUUGAAAAAAAAAA 19
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APPLICANT: GLATEA Therapeutics, Inc.

APPLICANT: MCSAGGEN, James
APPLICANT: MCSAGGEN, James
APPLICANT: McSagen, James
APPLICANT: Haeberli, Pete
APPLICANT: Used and Nashin State
APPLICANT: Used Cone Expression Using Short Interfering Nucleic Acid (sinh)
ITILE OF INVENTION: EAG Gene Expression Using Short Interfering Nucleic Acid (sinh)
FILE OF INVENTION: EAG Gene Expression Using Short Interfering Nucleic Acid (sinh)
FILE OF INVENTION: EAG Gene Expression Using Short Interfering Nucleic Acid (sinh)
FILE OF INVENTION NUMBER: US/10/923, S80
CURRENT PELING DATE: 2004-08-13
FRIOR APPLICATION NUMBER: PCY/USO4/16390
FRIOR APPLICATION NUMBER: PCY/USO4/16390
FRIOR FILING DATE: 2004-01-14
FRIOR PELING DATE: 2004-01-14
FRIOR PELING DATE: 2004-01-14
FRIOR PELING DATE: 2003-11-24
FRIOR PELING DATE: 2003-11-24
FRIOR PELING DATE: 2003-11-24
FRIOR APPLICATION NUMBER: US 10/693,059
FRIOR FILING DATE: 2003-02-20
FRIOR APPLICATION NUMBER: PCY/USO3/05028
FRIOR APPLICATION NUMBER: PCY/USO3/05028
FRIOR PELING DATE: 2003-02-20
FRIOR PELING DATE: 2003-02-20
FRIOR FILING DATE: PREPAIR FRIOR FRIOR FRIOR
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US-10-923-580-148
                                                                                                                                                                                                                                                                                                                                                                                                 ; OTHER INFORMATION: Description of Artificial Sequence: sinA anitsense region US-10-892-922-166
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 19;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 15.8; DB 1; Length 1
Pred. No. 5.1e+02;
0; Mismatches 2; Indels
                                      CURRENT APPLICATION NUMBER: US/10/892,922
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UNMBER OF SEQ ID NOS: 2004-07-16

NUMBER OF SEQ ID NOS: 296

SOFTWARE: Patentin version 3.3

SQ ID NO 166

LENGTH: 19

TYPE
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ORGANISM: Artificial Sequence
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Best Local Similarity 89.5%;
Matches 17; Conservative
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US-10-148-844-6/C

US-10-148-844-6/C

US-10-148-844-6/C

Sequence 6, Application US/10148844

Publication No. U32030096403A1

GENERAL INFORMATION:

APPLICANT: Woodly and a sequence of the property of the pr
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                                                                                                                                                                                                                                                                                                US-10-094-546-1/C

Sequence 1, Application US/10094546

Sequence 1, Application US/10094546

Publication No. US20020197677A1

GENERAL INFORMATION:
APPLICANT: Schmaljohn, Connie S.
TITLE OF INVENTION: Antibodies Expressed in Insect Cells
FILE REFERENCE: 003/245/SAP

CURRENT FILIAG DATE: 2002-06-12

CURRENT FILIAG DATE: 2002-06-12

FRIOR APPLICATION NUMBER: US 60/274,164

PRIOR APPLICATION NUMBER: 2002-06-12

NUMBER OF SEQ ID NOS: 4

SOFTWARE: Apple Macintosh Microsoft Word 6.0

SEQ ID NO 1.

LENGTH: 20
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Query Match 0.3%; Score 15.8; DB 1; Length 20; Best Local Similarity 89.5%; Pred. No. 5.3e+02; Matches 17; Conservative 0; Mismatches 2; Indels
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0.3%; Score 15.8; DB 1;
Best Local Similarity 89.5%; Pred. No. 5.3e+02;
Matches 17; Conservative 0; Mismatches 2;
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Publication No. U520030138928A1
GENERAL INFORMATION:
APPLICANT: CARSON, DENNIS A.
APPLICANT: CARSON, DENNIS A.
INCORI, TSUTOMU
SUPPRESSOR GENE AND METHODS FOR
TITLE OF INVENTION: TUMOR SUPPRESSOR GENE AND METHODS FOR
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COMPUTER READABLE FORM:

COMPUTER: IBM PC compatible

COMPUTER: IBM PC compatible

COMPUTER: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

FILING DATE: 18-Jul-2001

CLASSIFICATION: <UNknown>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                2; Indels
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CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson P.C.
STREET: 4225 Executive Square, Suite 1400
CITY: La Jolla
STATE: California
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APPLICATION NUMBER: US/08/227,800
FILING DATE: 14-APR-1994
ATTORNEY/AGRAT INFORMATION:
NAME: HOWELES, STACY L.
REGISTRATION NUMBER: 34,842
REFERENCE/DOCKET NUMBER: 07340/023001
TELECOMMUNICATION INFORMATION:
TELEPHONE: 619/678-509
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 base pairs
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SEQUENCE DESCRIPTION: SEQ ID NO: 6:
                             PRIOR APPLICATION NUMBER: US 60/157,415
PRIOR FILING DATE: 1999-10-02
NUMBER OF SEQ ID NOS: 112
SEQ ID NO 4
LENGTH: 20
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STRANDEDNESS: single
                                                                                                                                                                                                                                 TYPE: DNA
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match 0.33
Best Local Similarity 89.5
Matches 17; Conservative
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US-09-908-671-6/c
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Application US/10262439 to. US20030143196A1
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Fublication No. US20030125271A1
GENERAL INFORMATION:
APPLICANT: Brenda F. Baker
APPLICANT: Mark P. Roach
TITLE OF INVENTION: ANTIBENSE MODULATION OF VITAMIN D NUCLEAR RECEPTOR EXPRESSION
FILE REPERENCE: RTS-0327
CURRENT FILING DATE: 2001-11-14
NUMBER OF SEQ ID NOS: 94
LENGTH: 20
                                                                                                 Sequence 143, Application US/10218654
| Publication No. US2003009960941
| GENERAL INFORMATION:
| APPLICANT: Sim, Gek-Kee
| APPLICANT: Yang, Shumin
| APPLICANT: Wonderling, Ramani S.
| TITLE OF INVENTION: CANINE AND FELINE IMMUNOREGULATORY PROTEINS, NUCLEIC
| TITLE OF INVENTION: ACID MOLECULES, AND USES THEREOF
| TITLE OF INVENTION: ACID MOLECULES, AND USES THEREOF
| FILE REFERENCE: IM-2-C1
| CURRENT FILING DATE: 1090-05-28
| PRIOR APPLICATION NUMBER: US/09/322,409
| PRIOR APPLICATION NUMBER: US/09/322,409
| PRIOR FILING DATE: 1998-05-28
| NUMBER OF SEQ ID NOS: 154
| SOFTWARE: Patentin Ver: 2.0
| SEQ ID NO 143
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US-10-218-654-143
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89.5%; Pred. No. 5.3e+02;
tive 0; Mismatches 2; Indels
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  19 CCTCCACCAAGGGCCCATC 1
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ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
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Best Local Similarity 89.5
Matches 17; Conservative
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APPLICANT: Sim, Gek-Kee
APPLICANT: Sim, Gek-Kee
APPLICANT: Sim, Gek-Kee
APPLICANT: Sim, Gek-Kee
TULGANT: Sim, Gek-Kee
APPLICANT: Watthew J.
APPLICANT: Wonderling, Ramani S.
TITLE OF INVENTION: CANINE AND FELINE IMMUNOREGULATORY PROTEINS, NUCLEIC
TITLE OF INVENTION: CANINE AND FELINE IMMUNOREGULATORY PROTEINS, NUCLEIC
TITLE OF INVENTION: ACID MOLECULES, AND USES THEREOF
TILE OF INVENTION: ACID MOLECULES, AND USES THEREOF
TILE OF INVENTION: ACID MOLECULES, AND USES THEREOF
TILE OF INVENTION: ACID MOLECULES, AND USES THEREOF
FILING DATE: 2002-09-30
PRIOR APPLICATION NUMBER: US/09/451,527
PRIOR APPLICATION NUMBER: 09/322,409
PRIOR APPLICATION NUMBER: 60/087,306
PRIOR APPLICATION NUMBER: 60/087,306
PRIOR APPLICATION NUMBER: 60/087,306
PRIOR APPLICATION NUMBER: 60/087,306
PRIOR APPLICATION NUMBER: 09/322,409
PRIOR APPLI
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Publication No. US20030165895A1

GENERAL INFORMATION:

APPLICANT: CZERNIAK, BOGDAN

APPLICANT: JOHNSTON, DENNIS

TITLE OF INVENTION: METHODS OF DETECTING, DIAGNOSING AND TREATING CANCER

TITLE OF INVENTION: METHODS OF DETECTING, DIAGNOSING AND TREATING CANCER

TITLE OF INVENTION: METHODS OF DETECTING, DIAGNOSING AND TREATING CANCER

TITLE OF INVENTION: METHODS OF DETECTING, DIAGNOSING AND TREATING CANCER

TITLE OF INVENTION: ADDITION OF THE APPLICATION NUMBER: US/10/167,241

CURRENT FILING DATE: 2002-06-11

PRIOR PILING DATE: 2001-06-12

NUMBER OF SEQ ID NOS: 20

SOFTWARE: PATENTIN VET: 2.1

SEQ ID NO 3

LENGTH: 20
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89.5%; Pred. No. 5.3e+02;
tive 0; Mismatches 2; Indels
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0.3%; Score 15.8; DB 1;
Best Local Similarity 89.5%; Pred. No. 5.3e+02;
Matches 17; Conservative 0; Mismatches 2;
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ORGANISM: Artificial Sequence
FEATURE:
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ORGANISM: Artificial Sequence
FEATURE:
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Matches 17; Conservative
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RESULT 636

RESULT 634 US-10-262-439-143

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US-10-665-216-107

Sequence 107, Application US/10665216

Dublication No. US20040043957A1

CENERAL INFORMATION:

APPLICANT: Brenda F. Baker

APPLICANT: Susan M. Freier

APPLICANT: Susan M. Freier

APPLICANT: Andrew T. Watt

TITLE OF INVENTION: ANTISENSE MODULATION OF UROKINASE PLASMINOGEN ACTIVATOR EXPRESSION
FILE REFERENCE: RTS-0188
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Sequence 89, Application US/10173718
GENERAL INFORMATION:
APPLICANT: Hong Zhang
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: ANTISENSE MODULATION OF VEGF-C EXPRESSION
FILE REFERENCE: PTS-0036
CURRENT APPLICATION NUMBER: US/10/173,718
CURRENT APPLICATION NUMBER: 2002-06-17
NUMBER OF SEQ ID NOS: 125
SEQ ID NOS: 125
                                                                                                                                                                    Sequence 19, Application US/10173718
Publication No. US20030232437A1
GENERAL INFORMATION:
APPLICANT: Kenneth W. Dobie
TITLE OF INVESTION: ANTISENSE MODULATION OF VEGF-C EXPRESSION
TITLE OF INVESTION: ANTISENSE MODULATION OF VEGF-C EXPRESSION
TITLE OF INVESTION NUMBER: US/10/173,718
CURRENT APPLICATION NUMBER: US/10/173,718
NUMBER OF SEQ ID NOS: 125
IENGTH: 20
LENGTH: 20
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Pred. No. 5.3e+02;
0; Mismatches 2; Indels
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0.3%; Score 15.8; DB 1; Length 20;
Best Local Similarity 89.5%; Pred. No. 5.3e+02;
Matches 17; Conservative 0; Mismatches 2; Indels
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  4343 CTGGCTCAGATATGAAAAT 4361
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Best Local Similarity 89.55
Matches 17; Conservative
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ORGANISM: H. sapiens
FEATURE:
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APPLICANT: Zhao, Guoping
APPLICANT: Zhao, Guoping
APPLICANT: Yan, Shunsheng
APPLICANT: Yan, Shunsheng
APPLICANT: Van, Shunsheng
APPLICANT: Sulitang, Verjiang
APPLICANT: Jin, Wiping
APPLICANT: Jin, Xiping
APPLICANT: Jin Selection of Diagnosing and TREATING LENS ILLNESSES USING HUMAN CRYG
TITLE OF INVENTION NUMBER: US/10/362,817
CURRENT APPLICATION NUMBER: PCT/CN01/01274
PRIOR PPLING DATE: 2001-08-25
PRIOR PPLING DATE: 2000-08-25
NUMBER OF SEQ ID NOS: 28
SSOTHARE: Patentin version 3:1
LENGTH: 20
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0.3%; Score 15.8; DB 1; Length 20;
Best Local Similarity 89.5%; Pred. No. 5.3e+02;
Matches 17; Conservative 0; Mismatches 2; Indels
                                                                      GENERAL INFORMATION:

APPLICANT: BOX, Neil F
APPLICANT: BOX, Neil F
APPLICANT: Hayward, Nicholas K
APPLICANT: Martin, Nicholas G
APPLICANT: Sturm, Richard A
APPLICANT: Gruis, Nelleke A
APPLICANT: Gruis, Nelleke A
APPLICANT: Bergman, Wilna
APPLICANT: Frants, Rune R
APPLICANT: BERGENCE: 8795-27UL
CURRENT APPLICATION NUMBER: US/10/108,732
CURRENT PILING DATE: 2001-03-28
FRIOR FILING DATE: 2001-03-28
NUMBER OF SEQ ID NOS: 76
SEQFTWARE: PATENTIN VERSION 3.1
SEQ ID NO 5
LENGTH: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ; OTHER INFORMATION: CDKN2A Exon 2 primer US-10-108-732-5
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Publication No. US20030186294A1
GENERAL INFORMATION:
APPLICANT: Kong, Xiangyin
APPLICANT: Bu, Lei
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        4079 GGTTCCAGTTGCCAATTTC 4097
Sequence 5, Application US/10108732 Publication No. US20030175721A1 GENERAL INFORMATION:
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ORGANISM: Artificial sequence
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ORGANISM: Artificial Sequence
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COTHER INFORMATION: Primer US-10-362-817-13
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US-10-362-817-13/c
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i OTHER INFORMATION: n = A,T,C or G
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                                                    Query Match 0.33
Best Local Similarity 89.55
Matches 17; Conservative
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US-10-476-021-138/c
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         JS-10-479-510-1
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Publication No. US20040092462A1
GENERAL INFORMATION:
APPLICANT: C. Frank Bennett
APPLICANT: Nicholas M. Dean
APPLICANT: Nicholas M. Dobie
APPLICANT: NICHORATION: NUMBER: US/10/292,337
CURRENT APPLICANTION NUMBER: US/10/292,337
NUMBER OF SEQ ID NOS: 139
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SEQUENCE 1. Application No. US20040157230A1

SEREMEAL INFORMATION:

SEREMEAL INFORMATION:

TITLE OF INVENTION: A method for measuring DNA polymerization and

TITLE OF INVENTION: Applications of the method.

FILE REFERENCE: 110063501

CURRENT APPLICATION NUMBER: US/10/479,510

CURRENT FILING DATE: 2003-12-10

PRIOR PILING DATE: 2001-06-14

NUMBER OF SEQ ID NOS: 12

SOFTWARE: Patentin Ver. 2.1
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                                                                                                                                                                                                                                                                                               Query Match

0.3%; Score 15.8; DB 1; Length 20;
Best Local Similarity 89.5%; Pred. No. 5.3e+02;
Matches 17; Conservative 0; Mismatches 2; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 15.8; DB 1;
Pred. No. 5.3e+02;
                                                                                                                                                                                                                               ) OTHER INFORMATION: Antisense Oligonucleotide US-10-665-216-107
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ; OTHER INFORMATION; Antisense Oligonucleotide
US-10-292-337-71
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0; Mismatches
CURRENT APPLICATION NUMBER: US/10/665,216
CURRENT FILING DATE: 2003-09-19
PRIOR APPLICATION NUMBER: US/09/821,972
PRIOR FILING DATE: 2001-03-30
NUMBER OF SEQ ID NOS: 168
SEQ ID NO 107
LENGTH: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        4926 ATTTTGTATTGAAAAGAT 4944
                                                                                                                                                                                                                                                                                                                                                                                           506 TTTCCCGAGGCCTAGGGTA 524
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                                                                                                                                                              TYPE: DNA ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ORGANISM: Artificial Sequence
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Best Local Similarity 89.5%;
Matches 17; Conservative
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ORGANISM: Artificial Sequence
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-10-292-337-71
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LENGTH: 20
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LENGTH: 20
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APPLICANT: Crooke, Stanley T.
APPLICANT: Ecker, David J.
APPLICANT: Sampath, Rangarajan
APPLICANT: Sampath, Rangarajan
APPLICANT: Breier, Susan M.
APPLICANT: Massire, Christian
APPLICANT: Howery, Kristin Sannes
APPLICANT: Lowery, Kristin Sannes
APPLICANT: Baker, Brenda F.
APPLICANT: Bennett, C.
APPLICANT: Acute Respiratory Syndrome (SARS)
TITLE OF INVENTION: Acute Respiratory Syndrome (SARS)
TITLE OF INVENTION: Acute Respiratory Syndrome (SARS)
CURRENT FILIA DA TITLE OF THE CALLON TOWN ACUTE CONTROL OF CURRENT PLILIAN DATE: 2004-04-26
CURRENT FILIAN DATE: 2004-04-26
    APPLICANT: Bennett, C. Frank,
TITLE OF INVENTION: Compositions And Methods For The Treatment Of Severe
TITLE OF INVENTION: Acute Respiratory Syndrome (SARS)
TITLE OF INVENTION: Acute Respiratory Syndrome (SARS)
FILE REFERENCE: ISISO033-100 (BIOLOGOBUS)
CURRENT APPLICATION NUMBER: US/10/831,901A
CURRENT PILING DATE: 2003-04-28
PRIOR FILING DATE: 2003-04-28
PRIOR FILING DATE: 2003-04-28
PRIOR FILING DATE: 2003-04-66
PRIOR PRILING DATE: 2003-04-30
PRIOR FILING DATE: 2003-04-30
PRIOR FILING DATE: 2003-04-06
PRIOR PILING DATE: 2003-04-06
PRIOR APPLICATION NUMBER: 60/463,579
PRIOR FILING DATE: 2003-06-10
PRIOR APPLICATION NUMBER: 60/483,579
PRIOR FILING DATE: 2003-06-10
PRIOR APPLICATION NUMBER: 60/477,637
PRIOR FILING DATE: 2003-06-10
PRIOR PILING DATE: 2003-06-10
PRIOR FILING DAT
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PRIOR FILING DATE: 2003-04-28
PRIOR FILING DATE: 2003-04-28
PRIOR FILING DATE: 2003-04-28
PRIOR FILING DATE: 2003-04-30
PRIOR FILING DATE: 2003-04-30
PRIOR FILING DATE: 2003-04-30
PRIOR FILING DATE: 2003-05-06
PRIOR FILING DATE: 2003-05-06
PRIOR FILING DATE: 2003-05-06
PRIOR FILING DATE: 2003-05-06
PRIOR FILING DATE: 2003-05-10
PRIOR FILING DATE: 2003-06-10
PRIOR FILING DATE: 2003-06-10
PRIOR FILING DATE: 2003-06-10
PRIOR FILING DATE: 2003-06-10
PRIOR FILING DATE: 2003-06-27
NUMBER OF SEQ ID NOS: 30063
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Publication No. US20050100885A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ; OTHER INFORMATION: AntiBense compound US-10-831-901A-21488
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          4912 AAATGAATATGTTTATTTT 4930
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Best Local Similarity 89.5%;
Matches 17; Conservative
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SEQ ID NO 29727
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RESULT 621-931-90148/C

Sequence 21487, Application US/10831901A

Publication No. US20050100885A1

GENERAL INFORMATION:

APPLICANT: Crooke, Stanley T.

APPLICANT: Sampath, Rangarajan

APPLICANT: Sampath, Rangarajan

APPLICANT: Befered, Susan M.

APPLICANT: Holstadler, Steven A.

APPLICANT: Befered, Susan M.

APPLICANT: Befered, Steven A.

APPLICANT: Banet, Kristin Sannes

APPLICANT: Banet, Kristin Sannes

APPLICANT: Banet, C. Frank

APPLICANT: Banet, C. Frank

APPLICANT: Bennet, Sannes

APPLICANT: Sannes

APPLICANT: Sannes

APPLICANT: Sannes

APPLICANT: Sann
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Query Match 0.3%; Score 15.8; DB 1; Length 20; Best Local Similarity 85.0%; Pred. No. 5.3e+02; Matches 17; Conservative 0; Mismatches 3; Indels
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Sequence 21488, Application US/10831901A

PUBLICATION NO. US20050100885A1

GENERAL INFORMATION:
APPLICANT: Ecker, David J.
APPLICANT: Sampath, Rangarajan
APPLICANT: Freder, Susan M.
APPLICANT: Hofstader, Stwen A.
APPLICANT: Hofstadler, Steven A.
APPLICANT: Applicant: Sayayze, Eric
APPLICANT: Sayayze, Eric
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    OTHER INFORMATION: Antisense compound
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              4912 AAATGAATATGTTTATTTT 4930
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Gaps

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US-10-931-260-167/c
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; Publication No. US20050147604A1
; GENERAL INFORMATION:
; GENERAL INFORMATION:
; TITLE OF INVENTION: A Method for Diagnosing and Treating Affective Disorders
; FILE REFERENCE: XXX
; CURRENT APPLICATION NUMBER: US/10/825,593
; CURRENT FILING DATE: 2004-04-16
; NUMBER OF SEQ ID NOS: 111
; SOFTWARE: Patentin version 3.1
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                                                                                                                                          Query Match

0.3%; Score 15.8; DB 1; Length 20;
Best Local Similarity 89.5%; Pred. No. 5.3e+02;
Matches 17; Conservative 0; Mismatches 2; Indels
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89.5%; Pred. No. 5.3e+02;
cive 0; Mismatches 2; Indels
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                                                                                                                                                                                                                                                                                                                                                                     Sequence 84, Application US/10704263
Fublication No. US2005010113A1
GENERAL INFORMATION:
APPLICANT: Susan M. Freier
APPLICANT: Susan M. Freier
FITE OF INVENTION: MODULATION OF STATS EXPRESSION
FILE REFERENCE: RTS-0569
CURRENT APPLICATION NUMBER: US/10/704,263
CURRENT FILING DATE: 2003-11-06
NUMBER OF SEQ ID NOS: 213
SEQ ID NO 84
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Best Local Similarity 89.5%; Pred. No. 5.3e
Matches 17; Conservative 0; Mismatches
                                                                            ; OTHER INFORMATION: Antisense compound US-10-831-901A-29727
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ; OTHER INFORMATION: Antisense Compound US-10-704-263-84
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ORGANISM: Artificial Sequence
               TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
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Matches 17; Conserv
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US-10-704-263-84
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LENGTH: 20
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Gape
                                                      APPLICANT: Griffith, Irwin J.;

APPLICANT: Griffith, Irwin J.;

Pollock, Joanne;

Bond, Julian F.;

Garman, Richard D;

Kuo, Mad-Chang;

Powers, Stephen P.;

Exley, Mark A.;

Chen, Xian;

Shaked, Ze'ev

TITLE OF INVENTION: Allergenic Proteins And Peptides From Japanese Cedar Pollen

NUMBER OF SEQUENCES: 283
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARRE: PATENTIN Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/931,260
FILING DATE: 30-Aug-2004
CLASSIFICATION: <UNKNOWN>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICATION NUMBER: PCT_US92/05661
FILING DATE: 1992-JUL-10
ATTORNEY/AGENT INPORMATION:
NAME: AMP. E. MAINTERQUIES, ESG.
REGISTRATION NUMBER: 36,207
REFERENCE/DOCKET NUMBER: IMI-028CD2CCPA2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FILING DATE: 1994-DEC-06
APPLICATION NUMBER: 08/226,248
FILING DATE: 1994-APR-08
APPLICATION NUMBER: PCT/US93/00139
FILING DATE: 1993-JAN-15
                                                                                                                                                                                                                                                                                                                                                       CORRESPONDENCE ADDRESS: ,
ADDRESSEE: Lahive & Cockfield, LLP
STREET: 28 State St
CITY: Boston
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0; Mismatches
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APPLICATION NUMBER: US/09/240,203
FILING DATE: 29-04n-1999
APPLICATION NUMBER: 08/467,023
FILING DATE: 1995-JUN-06
APPLICATION NUMBER: 08/350,225
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        DESCRIPTION: SEQ ID NO: 167:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICATION NUMBER: 07/938,990
FILING DATE: 1992-SEP-01
APPLICATION NUMBER: 07/730,452
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FILING DATE: 1991-JUL-15
APPLICATION WUMBER: 07/729,134
FILING DATE: 1991-JUL-12
APPLICATION NUMBER: 07/975,179
Sequence 167, Application US/10931260 Publication No. US20050152927A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TELECOMMUNICATION INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TELEFAX: (617) 742-42
INFORMATION FOR SEQ ID NO: 167:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TOPOLOGY: linear MOLECULE TYPE: CDNA SEQUENCE DESCRIPTION: US-10-931-260-167
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Matches 17; Conservative
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Sequence 379, Application US/10786720
Sequence 379, Application No. US20040191818A1
Sequence 379, Application No. US20040191818A1
GENERAL INFORMATION:
APPLICANT: W/weth
APPLICANT: O'Toole, Margot
TITLE OF INVENTION: DISEASE
TITLE OF INVENTION: DISEASE
TITLE OF INVENTION: DISEASE
TITLE OF INVENTION: US/10/786,720
CURRENT APPLICATION NUMBER: US/10/786,720
CURRENT APPLICATION NUMBER: 2004-02-26
NUMBER OF SEQ ID NOS: 21135
SEQ ID NOS: 21135
SEQ ID NO 379
TENDER OF SEQ ID NOS: 21135
SEQ ID NO 379
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Pred. No. 5.5e+02;
0; Mismatches 2; Indels
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0.3%; Score 15.8; DB 1;
Best Local Similarity 89.5%; Pred. No. 5.5e+02;
Matches 17; Conservative 0; Mismatches 2;
                                                          0.3%; Score 15.8; DB 1;
89.5%; Pred. No. 5.5e+02;
tive 0; Mismatches 2;
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                                                                                                                                                                                                                              4736 TITICAAAATTAIGICICC 4754
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Best Local Similarity 89.5
Matches 17; Conservative
                                                                                                             Best Local Similarity 89.5
Matches 17; Conservative
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US-10-786-720-379
US-10-349-143-8727
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                                                                               Query Match
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LOCATION: 1..21
OTHER INFORMATION: downstream amplification primer 99-17833 for SEQ 862, in compleme
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Sequence 8727, Application No. US20040005584A1

GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Cohen, Daniel
APPLICANT: Chumakov, Ilya
TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
TITLE REFERENCE: GENSET. 0200CP1
CURRENT FILING DATE: 2003-01-21
CURRENT FILING DATE: 1999-10-20
PRIOR PILING DATE: 1999-10-20
PRIOR FILING DATE: BARLIER PILING DATE: 1999-04-21
PRIOR FILING DATE: EARLIER PILING DATE: 1999-04-21
PRIOR FILING DATE: EARLIER PILING DATE: 1998-11-3
PRIOR FILING DATE: EARLIER PILING DATE: 1998-11-3

NUMBER OF SEQ ID NOS: 11796
SEQ ID NO SEQ ID NOS: 11796
                                                                                                                                                                                                                                                                                    Sequence 13, Application US/1013529

Sequence 13, Application WS/1013529

Publication No. US20030073557A1

GENERAL INFORMATION:

APPLICANT: Halle, Jorn-Peter

APPLICANT: Goppelt, Andreas

APPLICANT: Hof, Peter

TITLE OF INVENTION: Use of Alpha 1-Antichymotrypsin

TITLE OF INVENTION: Which is Expressing an ACT Polypeptide, or a Nucleic Acids

TITLE OF INVENTION: Encoding It, For Treatment and/or Prevention of

TITLE OF INVENTION: Diabetes-Associated and/or Prevention of

TITLE OF INVENTION: and For Identifying Pharmacologically Active Substances

TITLE OF INVENTION: and For Identifying Pharmacologically Active Substances

TITLE OF INVENTION UNMER: US 10121225.0

FRIOR FERRENCE: 2001-04-30

FRIOR PAPLICATION NUMBER: US 60/323,348

PRIOR APPLICATION NUMBER: US 60/323,348

PRIOR APPLICATION NUMBER: US 60/323,348

SEQUENCE: SEQUENCE: 18

SEQUENCE: SEQUENCE: 18

SEQUENCE: SEQUENCE: 18

SEQUENCE: SEQUENCE: 18

SEQUENCE: TARGET SEQUENCE: 18
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0.3%; Score 15.8; DB 1; Length 21;
Best Local Similarity 89.5%; Pred. No. 5.5e+02;
Matches 17; Conservative 0; Mismatches 2; Indels
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ORGANISM: Homo Sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: DNA ORGANISM: Mus musculus
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US-10-349-143-8727
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APPLICANT: Wyeth
APPLICANT: Martinez, Robert
APPLICANT: Martinez, Robert
APPLICANT: Brown, Eugene
APPLICANT: Liu, Wei
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSING AND TREATING COLON
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSING AND TREATING COLON
CURRENT FILE REFERENCE: AMIO927 (031896-002000)
CURRENT FILING DATE: 2003-01-06
PRIOR PILING DATE: 2003-01-06
NUMBER OF SEQ ID NOS: 54873
SOFTWARE: PatentIn version 3.2
SEQ ID NO 2182
LENGTH: 21
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APPLICANT: Brown, Eugene
APPLICANT: Brown, Eugene
APPLICANT: Liu, Wei
TITLE OF INVENTION: CANCERS
FILE REFERENCE: AM100927 (031896-002000)
CURRENT APPLICATION NUMBER: US/10/751,736
CURRENT APPLICATION NUMBER: US Provisional Application 60/438,000
PRIOR FILING DATE: 2003-01-06
PRIOR FILING DATE: 2003-01-06
NUMBER OF SEQ ID NOS: 54873
SOFTWARE: Patentin version 3.2
SEQ ID NO 7896
LENGTH: 21
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CURRENT FILING DATE: 2003-01-06
PRIOR PAPLICATION NUMBER: US Provisional Application 60/438,000
PRIOR FILING DATE: 2003-01-06
NUMBER OF SEQ ID NOS: 54873
SEG ID NO 1933
LENGTH: 21
                                                                                                                                                                                                                                                                                                                                                                                               Length 21;
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Pred. No. 5.5e+02;
0; Mismatches 2;
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0.3%; Score 15.8; DB 1;
Best Local Similarity 89.5%; Pred. No. 5.5e+02;
Matches 17; Conservative 0; Mismatches 2;
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Publication No. US20040265230A1
GENERAL INFORMATION:
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Publication No. US20040265230A1
GENERAL INFORMATION:
APPLICANT: Wyeth
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Best Local Similarity 89.5%;
Matches 17; Conservative (
                                                                                                                                                                                                                                                  ; TYPE: DNA
; ORGANISM: homo sapiens
US-10-751-736-1933
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CRCANISM: homo sapiens
US-10-751-736-2182
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Matches
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                                                       Sequence 14848, Application US/10786720

Publication No. US20040191818A1

GENERAL INFORMATION:
APPLICANT: Wyeth
APPLICANT: O'Toole, Margot
APPLICANT: O'Toole, Mei
APPLICANT: SON O'Toole, Mei
APPLICANT: SON O'Toole, Mei
APPLICANT: O'Toole, Mer
APP
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| Sequence 14850, Application US/10786720
| Publication No. US20040191818A1
| GENERAL INPORMATION:
| APPLICANT: Wyeth
| APPLICANT: Wyeth
| APPLICANT: O'TOOle, Margot
| APPLICANT: O'TOOle, Wei
| TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSING AND TREATING AUTOIMMUNE
| TITLE OF INVENTION: DISEASES
| FILE REFERENCE: 031896-023000 (AM101331L)
| CURRENT APPLICATION NUMBER: US/10/786,720
| CURRENT FILING DATE: 2004-02-26
| NUMBER OF SEQ ID NOS: 21135
| SOFTWARE: PatentIn version 3.2
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APPLICANT: Brown, Eugene
APPLICANT: Liu, Wei
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSING AND TREATING COLON
TITLE OF INVENTION: CANCERS
FILE REFERENCE: AM100927 (031896-002000)
CURRENT APPLICATION NUMBER: US/10/751,736
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89.5%; Pred. No. 5.5e+02;
tive 0; Mismatches 2; Indels
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Pred. No. 5.5e+02;
0; Mismatches 2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RESULT 657
US-10-751-736-1933
Sequence 1933, Application US/10751736
Publication No. US20040265230A1
GENERAL INFORMATION:
APPLICANT: Wyeth
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       3696 ACGAGTCAAGACGCTCACA 3714
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Best Local Similarity 89.5%;
Matches 17; Conservative
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nes 17; Conservative
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LENGTH: 21
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Sequence 21929, Application US/10751736
; Sequence 21929, Application US/10751736
; Publication No. US20040265230A1
; GENERAL INFORMATION:
; APPLICANT: Watch
; APPLICANT: Brown, Eugene
; APPLICANT: Brown, Eugene
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSING AND TREATING COLON
; TITLE OF INVENTION: CANCENT
; TITLE OF IN
                                                                                                                                                                                                                                                                                                                               APPLICANT: Mattinez, Robert
APPLICANT: Brown, Eugene
APPLICANT: Liu, Wei
APPLICANT: Liu, Wei
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSING AND TREATING COLON
TITLE OF INVENTION: CANCERS
FILE REFERENCE: AM100927 (031896-002000)
CURRENT APPLICATION NUMBER: US/10/751,736
CURRENT APPLICATION NUMBER: US Provisional Application 60/438,000
PRIOR PILING DATE: 2003-01-06
NUMBER OF SEQ ID NOS: 54873
SOFTWARE: Patentin version 3.2
SEQ ID NO 21281
LIBNGTH: 21
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                                                                                                                                                                                                                        Sequence 21281, Application US/10751736; publication No. US20040265230A1; GENERAL INFORMATION:
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2917 GAAGACAAACTTCTGGCAC 2935
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                                                          21 GAAGAACACTTCTGGCAC 3
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US-10-751-736-21929
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US-10-751-736-21929
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US-10-751-736-21281
                                                                                                                                                                 RESULT 662
US-10-751-736-21281
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Best Local
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; Sequence 13970. Application US/10751736
; Publication No. US20040265230A1
; Publication No. US20040265230A1
; CENERAL INFORMATION:
    APPLICANT: Martinez, Robert
; APPLICANT: Brown, Eugene
; APPLICANT: Liu, Wei
; TITLE OF INVENTION: CANCERS
; TITLE OF INVENTION: CANCERS
; TITLE OF INVENTION: CANCERS
; FILE REFERENCE: AM100927 (031896-002000)
; CURRENT APPLICATION NUMBER: US/10/751,736
; CURRENT FILING DATE: 2003-01-06
; PRIOR FILING DATE: 2003-01-06
; RIOR FILING DATE: 2003-01-06
; ROWHARE: PatentIn version 3.2
; SEQ ID NO 13970
; LENGTH: 21
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US-10-751-736-18927/c

Squence 18927, Application US/10751736

Squence 18927, Application US/10751736

Publication No. US20040265230A1

GENERAL INFORMATION:

APPLICANT: Martinez, Robert

APPLICANT: Martinez, Robert

APPLICANT: Martinez, Robert

APPLICANT: Martinez, Robert

APPLICANT: Manual Brown, Eugene

APPLICANT: Manual Wei

TITLE OF INVENTION: CANCERS

TITLE OF INVENTION: CANCERS

TITLE REFERENCE: AM100927 (031896-002000)

CURRENT APPLICATION NUMBER: US/10/751,736

CURRENT APPLICATION NUMBER: US Provisional Application 60/438,000

PRIOR APPLICATION WHERE: US Provisional Application 60/438,000

NUMBER OF SEQ ID NOS: 54873

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LENGTH: 21

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89.5%; Pred. No. 5.5e+02;
tive 0; Mismatches 2; Indels
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89.5%; Pred. No. 5.5e+02;
tive 0; Mismatches 2; Indels
                                                                                                   Ouery Match 0.3%; Score 15.8; DB 1; Length 21; Best Local Similarity 68.4%; Pred. No. 5.5e+02; Matches 13; Conservative 4; Mismatches 2; Indels
                                                                                                                                                                                                                                             2871 ACAGCTTCTGAAGAGTTG 2889
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Best Local Similarity 89.5
Matches 17; Conservative
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Best Local Similarity
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; ORGANISM: RNAi
US-10-751-736-13970
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; ORGANISM: RNAi
US-10-751-736-18927
                 ; ORGANISM: RNAi
US-10-751-736-7896
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TYPE: DNA
CORGANISM: homo sapiens
US-10-751-736-44650
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ORGANISM: homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RESULT 667
US-10-751-736-48472/C
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                                                                                                           APPLICANT: Brown, Eugene APPLICANT: Lower, Eugene APPLICANT: Liu, Wei APPLICANT: Liu, Wei APPLICANT: Liu, Wei TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSING AND TREATING COLON TITLE OF INVENTION: CANCERS FILE REPERENCE: AM100927 (031896-002000) CURRENT APPLICATION NUMBER: US/10/751,736 CURRENT FILING DATE: 2003-01-06 PRIOR PAPLICATION NUMBER: US Provisional Application 60/438,000 PRIOR FILING DATE: 2003-01-06 NUMBER OF SEQ ID NOS: 54873 SSCPTWARE: Patentin version 3.2 SEQ ID NO 23285 LENGTH: 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Martinez, Robert
APPLICANT: Martinez, Robert
APPLICANT: Brown, Eugene
APPLICANT: Liu, Wei
TITLE OF INVENTION: CANCERS
FILE REFERENCE: AMIO 927 (031896-002000)
CURRENT APPLICATION NUMBER: US/10/751,736
CURRENT FILING DATE: 2003-01-06
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0.3%; Score 15.8; DB 1; Length 21;
88.4%; Pred. No. 5.5e+02;
lve 4; Mismatches 2; Indels
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89.5%; Pred. No. 5.5e+02;
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US-10-751-736-44650/C
US-10-751-736-44650/C
Sequence 44650, Application US/10751736
Publication No. US20040265230A1
GENERAL INFORMATION:
APPLICANT: Wyeth
APPLICANT: Martinez, Robert
APPLICANT: Brown, Eugene
Sequence 23285, Application US/10751736
Publication No. US20040265230A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; Sequence 36664, Application US/10751736; Publication No. US20040265230A1 ; GENEAL INFORMATION: APPLICANT: Wyeth
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                                                                  APPLICANT: Wyeth APPLICANT: Martinez, Robert
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Best Local Similarity 89.5
Matches 17; Conservative
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US-10-751-736-36664
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ORGANISM: RNAi
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APPLICANT: Be, Xiaobing
APPLICANT: Liu, Wei
APPLICANT: Liu, Wei
APPLICANT: Slonia, Donna
APPLICANT: Slonia, Donna
APPLICANT: Slowes, Seve
TITLE OF INVENTION: Compositions and Methods for Diagnosing and Treating Cancers
FILE REFERENCE: 031896-026000 (AM101264)
CURRENT APPLICATION NUMBER: US/10/847,918
CURRENT FILING DATE: 2004-05-19
PRIOR APPLICATION NUMBER: US 60/471,729
APPLICANT: Martinez, Robert
APPLICANT: Brown, Eugene
APPLICANT: Liu, Martinez, Eugene
APPLICANT: Liu, Eugene
APPLICANT: Liu, Compositions and Methods for Diagnosing and Treating Colon
TITLE OF INVENTION: CANCERS
FILE REPERENCE: AM10927 (031996-002000)
CURRENT APPLICATION NUMBER: US/10/751,736
CURRENT APPLICATION NUMBER: US/10/751,736
PRIOR APPLICATION NUMBER: US Provisional Application 60/438,000
PRIOR PILING DATE: 2003-01-06
NUMBER OF SEQ ID NOS: 54873
SSQ ID NO 48472
LENGTH: 21
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89.5%; Pred. No. 5.5e+02;
tive 0; Mismatches 2; Indels
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0.3%; Score 15.8; DB 1;
Best Local Similarity 89.5%; Pred. No. 5.5e+02;
Matches 17; Conservative 0; Mismatches 2;
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Publication No. US20040265230A1
GENERAL INFORMATION:
APPLICANT: Wyeth
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Publication No. US20050119210A1
GENERAL INFORMATION:
APPLICANT: Wyeth
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Matches 17; Conservative
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US-09-780-533A-963/C

US-09-780-533A-963/C

Sequence 963, Application US/09780533A

Publication No. US20030060611A1

GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Blatt, Larry
APPLICANT: Chowrita, Bharat
APPLICANT: Chowrita, Bharat
APPLICANT: Habberli, Pete
TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO Gene
FILE REFERENCE: MBHB00,878-A (400/011)
CURRENT APPLICATION: WHORES: US/09/780,533A
CURRENT APPLICATION NUMBER: US 60/181,797

PRIOR FILING DATE: 2001-02-09

PRIOR FILING DATE: 2001-02-11

NUMBER OF SEQ ID NOS: 6679

SEQ ID NOS: 6679

SEQ ID NO 863

TENNALL OF SEQ ID NOS: 6679
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APPLICANT: Blatt, Larry
APPLICANT: Blatt, Larry
APPLICANT: Chowrira, Bharat
APPLICANT: Chowrira, Bharat
APPLICANT: Haeberli, Pete
TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO Gene
FILE REPERENCE: MBHBOO, 878-8 (400/011)
CURRENT APPLICATION NUMBER: US/09/780,533A
CURRENT FILING DATE: 2001-02-09
PRIOR PAPLICATION NUMBER: US 60/181,797
PRIOR FILING DATE: 2000-02-11
NUMBER OF SEQ ID NOS: 6679
SEQ ID NOS: 6679
SEQ ID NO 962
LENGTH: 17
                                                                                                                 Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ö
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0.3%; Score 15.4; DB 1; Length 17; ilarity 94.1%; Pred. No. 5e+02; Conservative 0; Mismatches 1; Indels
                                            0.3%; Score 15.4; DB 1; Length 17; 94.1%; Pred. No. 5e+02;
                                                                                                                    1; Indels
                                                                                                                 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                       RESULT 671
US-09-780-533A-962/c
; Sequence 962, Application US/09780533A
; Publication No. US20030060611A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1578 TTCTGCAGATGAGCGTA 1594
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                                                                                         Best Local Similarity 94.1
Matches 16; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: RNA
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity
Matches 16; Conserv
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Matches 16; Conserv
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US-09-780-533A-63
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                                                                 Query Match
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US-10-84-918-5165/c

Sequence 5165, Application US/10847918

Sequence 5165, Application US/10847918

Sequence 5165, Application US/10847918

Sequence 5165, Application No. US20050119210A1

GENERAL INFORMATION:

APPLICANT: We will we will applicate the sequence of the sequen
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Publication No. US20030060611A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Blatt, Larry
APPLICANT: Chowrita, Bharat
APPLICANT: Masberl, Jim
APPLICANT: Haeberl, Pete
APPLICANT: Masberl, Pete
APPLICANT: Masberl, Pete
APPLICANT: Masberl, Pete
APPLICANT: Haeberl, Pete
APPLICANT: Haeberl, Set (400/011)
CURRENT APPLICATION NUMBER: US/09/780,533A
CURRENT FILING DATE: 2001-02-09
DETER APPLICATION NUMBER: US/09/780,533A
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0.3%; Score 15.8; DB 1; Length 21;
Best Local Similarity 89.5%; Pred. No. 5.5e+02;
Matches 17; Conservative 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                   Query Match 0.3%; Score 15.8; DB 1; Length 21; Best Local Similarity 89.5%; Pred. No. 5.5e+02; Matches 17; Conservative 0; Mismatches 2; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                3919 AATGGCTCTCTGGTTGGCT 3937
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AATGGCTATCTGGTTGACT 3
      PRIOR FILING DATE: 2003-05-20
NUMBER OF SEQ ID NOS: 14937
SOFTWARE: Patentin version 3.2
SEQ ID NO 3467
LENGTH: 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: RNA
ORGANISM: RNAi-sense strand
                                                                                                                                                                                  ; TYPE: RNA
; ORGANISM: RNAi-sense strand
US-10-847-918-3467
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ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RESULT 670
US-09-780-533A-63/c
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LENGTH: 17
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INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
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                                                                                                                                                                                                                                                                                                                                                            US-09-752-639-98
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Patent No. US30020091243A1

CENERAL INFORMATION:

CENERAL INFORMATION:

CENERAL INFORMATION:

APPLICANT: Granger, G.A.

TITLE OF INVENTION: Factor Receptor Releasing Enzyme Activity, and Methods TITLE OF INVENTION: of Use Thereof

NUMBER OF SEQUENCES: 154

CORRESPONDENCE ADDRESS:

ADDRESSEE: MORRISON & FOERSTER

STREET: 755 PAGE MILL ROAD

CITY: Palo Alto
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ; LOCATION: 1..18 -
; OTHER INFORMATION: upstream amplification primer 99-28352 for SEQ 151,
US-10-333-429-322
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
                                                                                                                        Sequence 322, Application US/1033429
; Publication No. US20040048265A1
; GENERAL INFORMATION:
GENERAL INFORMATION:
; APPLICANT: GENET
; TITLE OF INVENTION: Obesity Associated Biallelic Marker Maps
; FILE REFERENCE: G-083US02PCT
; CURRENT FOLLING DATE: 2003-01-17
; PRIOR PILING DATE: 2003-01-17
; PRIOR APPLICATION NUMBER: PCT/IB01/01477
; PRIOR APPLICATION NUMBER: US 60/219,704
; PRIOR FILING DATE: 2000-07-18
; NUMBER OF SEO ID NOS: 579
; SEQ ID NO 312
; LENGTH: 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match 0.3%; Score 15.4; DB 1; Length 18; Best Local Similarity 94.1%; Pred. No. 5.2e+02; Matches 16; Conservative 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COUNTRY: USA
ZIP: 94104-1018
COMPUTER READABLE FORM:
MEDUW TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows
SOFTWARE: FeatSEQ for windows Version 2.0b
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/752,639
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PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US99/10793
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FILING DATE: 08/964,747
PILING DATE: 05-NOV-1997
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17 TTCTGCAGAGGAGCGTA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ORGANISM: Homo Sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NAME/KEY: primer_bind LOCATION: 1..18
                                                                                                              US-10-333-429-322
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US-09-752-639-98
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Sequence 98 Application US/09984198

Fatent No. US20020106679A1

GENERAL INFORMATION:

APPLICANT: Gatanaga, T.

APPLICANT: Gatanaga, T.

APPLICANT: Gatanaga, T.

APPLICANT: Gatanaga, T.

APPLICANT: Granger, G.A.

TITLE OF INVENTION: Factor Receptor Releasing Enzyme Activity, and Methods

TITLE OF INVENTION: Factor Receptor Releasing Enzyme Activity, and Methods

TITLE OF INVENTION: For Use Thereof

NUMBER OF SEQUENCES: 154

CORRESPONDENCE ADDRESS:

ADDRESSEE: MORRISON & FORRSTER

STREET: 755 PAGE MILL ROAD

CITY: Palo Alto

STATE: CA

COUNTY: USA

ZIP: 94304-1018

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 0.3%; Score 15.4; DB 1; Length 20; Best Local Similarity 94.1%; Pred. No. 5.7e+02; Matches 16; Conservative 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SOFTWARE: FastSEQ for Windows Version 2.0b CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/984,198
                                                                                             REGISTRATION NUMBER: 41,386
REGISTRATION NUMBER: 22000-20577.21
TELECHOMOUNICATION:
TELEPHONE: 650-813-5600
TELEFAX: 650-813-5600
TELEFAX: 650-849-0792
INFORMATION FOR SEQ ID NO: 98:
REQUENCE CHARACTER.STICS:
LENGTH: 20 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US99/10793
FILING DATE:
APPLICATION NUMBER: 09/081,385
FILING DATE:
APPLICATION NUMBER: 08/964,747
FILING DATE: 05-NOV-1997
ATTORNEY/AGENT: 06-NOV-1996
ATTORNEY/AGENT: 18FORMATION:
APPLICATION NUMBER: 60/030,761
FILING DATE: 06-NOV-1996
ATTORNEY AGENT INFORMATION:
NAME: WU, Frank
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NAME: Wu, Frank
REGISTRATION NUMBER: 41,386
REPERENCE/DOCKET NUMBER: 2200
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-813-5600
TELEFAX: 650-494-0792
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        4586 CCACACAGGCTTCATC 4602
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          2 ccacagagggcrrcarc 18
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FEATURE:
OTHER INFORMATION: Synthetic construct
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                8
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APPLICANT: Donna T. Watch
APPLICANT: Andrew T. Watt
TITLE OF INVENTION: ANTISENSE MODULATION OF RECQL5 EXPRESSION
FILE REFERENCE: RTS-0203
FILE REFERENCE: RTS-0203
CURRENT APPLICATION NUMBER: US/10/238,443
CURRENT FILING DATE: 2002-09-09
PRIOR APPLICATION NUMBER: US/09/798,185
PRIOR FILING DATE: 2001-03-01
NUMBER OF SEQ ID NOS: 92
SEQ ID NO 65
LENGTH: 20
                                                                                                                                          Query Match

0.3%; Score 15.4; DB 1; Length 20;
Best Local Similarity 94.1%; Pred. No. 5.7e+02;
Matches 16; Conservative 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ch 0.3%; Score 15.4; DB 1; Length 20; 1 Similarity 94.1%; Pred. No. 5.7e+02; 16; Conservative 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Nailsen, Peter
APPLICANT: Buchardt, Ole
APPLICANT: Buchardt, Ole
APPLICANT: Ducholm, Kim L.
APPLICANT: Christensen, Leif
APPLICANT: Christensen, Leif
APPLICANT: Caull, James M.
APPLICANT: Kiely, John Christensen, Linked Peptide Nucleic Acids
TITLE OF INVENTION: Linked Peptide Nucleic Acids
TITLE REFERENCE: ISISSO42
CURRENT FILING DATE: 1994-07-15
PRIOR FILING DATE: 1994-07-15
PRIOR APPLICATION NUMBER: 08/275,951
PRIOR FILING DATE: 1997-04-23
NUMBER OF SEQ ID NOS: 69
NUMBER OF SEQ ID NOS: 69
NUMBER OF SEQ ID NOS: 69
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; OTHER INFORMATION: Antisense Oligonucleotide US-10-238-443-65
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 49, Application US/10188404
Publication No. US20030105286Al
GENERAL INFORMATION:
APPLICANT: Egholm, Michael
                                                                                                                                                                                                                                                                                                                                                                                           US-10-238-443-65/c
Sequence 65, Application US/10238443;
Publication No. US20030083302A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                 4586 CCACACAGGGCTTCATC 4602
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                                                                                                                                                                                                                                                                                         2 ccacacacacacatricare 18
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ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: DNA ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     20 AAAGCATCTGATAAAGC
            LENGTH: 20 base pairs
                                ; TYPE: nucleic acid
; STRANDEDMESS: single
; TOPOLOGY: linear
US-09-984-198-98
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity
Matches 16; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-10-260-451-6

Sequence 6, Application US/10260451

Sequence 6, Application WOUNDSON CONTROL CONTROL
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US-10-309-362-65/c

Sequence 65, Application US/10309362

Sequence 65, Application US/10309362

Publication No. US20030114412A1

GENERAL INFORMATION:

APPLICANT: Donna T. Ward

APPLICANT: Donna T. Watt

TITLE OF INVENTION: ANTISENSE MODULATION OF RECQL5 EXPRESSION

FILE REFERENCE: RY5-0203

CURRENT APPLICATION NUMBER: US/10/309,362

CURRENT APPLICATION NUMBER: US/09/798,185

PRIOR PILING DATE: 2002-12-03

NUMBER OF SEQ ID NOS: 92

NUMBER OF SEQ ID NOS: 92

LENGTH: 20
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Pred. No. 5.7e+02;
0; Mismatches 2; Indels
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NAME/KEY: misc feature
LOCATION: (10)...(11)
OTHER INFORMATION: Ethylene Glycol, Ethylene Glycol,
OTHER INFORMATION: Ethylene Glycol Linkage
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
0.3%; Score 15.4; DB 1;
Best Local Similarity 94.1%; Pred. No. 5.7e+02;
Matches 16; Conservative 0; Mismatches 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         OTHER INFORMATION: Antisense Oligonucleotide
                                                                                                                                                                                                         FEATURE:
NAME/KEY: misc_feature
LOCATION: (13)..(13)
OTHER INFORMATION: N is Pseudoiscytosine
                                                                                                                                                                                                                                                                                                                                                                                         FEATURE:
NAME/KEY: misc_feature
COCATION: (20) ... (20)
GOTHER INFORMATION: N is Pseudoiscytosine
US-10-188-404-49
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Best Local Similarity 88.9%;
Matches 16; Conservative
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                                   FEATURE:

NAME/KET: primer bind

LOCATION: 1..20

OTHER INFORMATION: upstream amplification primer 99-10046 for SEQ 2266, US-10-349-143-6200
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                                                                                                                                                                                                                                                                                       ö
                                                                                                                                                                                                                    Query Match 0.3%; Score 15.4; DB 1; Length 20; Best Local Similarity 94.1%; Pred. No. 5.7e+02; Matches 16; Conservative 0; Mismatches 1; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 9, Application US/10620532; Publication No. US20040086916A1; GENERAL INFORMATION: APPLICANT: Farnham, Peggy J.; APPLICANT: Graveel, Carrie R.; APPLICANT: Graveel, Carrie R.; APPLICANT: Harkins-Perry, Sarah R.; TITLE OF INVENTION: Liver Tumor marker Sequences; FILE REFERENCE: 960296.98750; CURRENT FILING DATE: 2003-07-16; PRIOR APPLICATION NUMBER: 60/396,626; PRIOR FILING DATE: 2002-07-16; PRIOR FILING DATE: 2002-07-17; NUMBER OF SEQ ID NOS: 12; SOFTWARE: Patentin Ver. 2.1; SEQ ID NO 9; INNEGTH: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match

0.3%; Score 15.4; DB 1;
Best Local Similarity 94.1%; Pred. No. 5.7e+02;
Matches 16; Conservative 0; Mismatches 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  DS-10-491-513-159/C
Sequence 156, Application US/10481613
Publication No. US20050085627A1
GRENEAL INFORMATION:
APPLICANT: Chang, Youming
APPLICANT: Cocken, William
APPLICANT: Tinaley, Jon
TITLE OF INVENTION: Atopy
FILE REPRENCE: 16721-0003U81 / P32688WO/KVC
CURRENT APPLICATION NUMBER: US/10/481,613
CURRENT FILING DATE: 2003-12-19
FRIOR APPLICATION NUMBER: PCT/GB02/02859
FRIOR FILING DATE: 2002-06-21
FRIOR APPLICATION NUMBER: GB 0115211.5
FRIOR FILING DATE: 2001-06-21
                                                                                                                                                                                                                                                                                                                                                 4356 GAAATAAGGTTTTGGG 4372
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         ORGANISM: Homo Sapiens
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: DNA
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Sequence 12, Application US/10008789

Sequence 12, Application US/10008789

Sequence 12, Application US/10008781

GENERAL INFORMATION:

APPLICANT: C. Frank Bennett

APPLICANT: Kenneth Dobie

TITLE OF INVENTION: ANTISENSE MODULATION OF THYROID HORMONE RECEPTOR INTERACTOR 6 EXE

FILE REFERENCE: RTS-0333

CURRENT APPLICATION NUMBER: US/10/008,789

CURRENT APPLICATION NUMBER: US/10/008,789

CURRENT PILING DATE: 2001-11-08

NUMBER OF SEQ ID NOS: 89

LENGTH: 20
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APPLICANT: Cohen, Daniel
APPLICANT: Chunakov, Ilya
APPLICANT: Blumenfeld, Marta
APPLICANT: Blumenfeld, Marta
APPLICANT: Blumenfeld, Marta
APPLICANT: Chunakov, Ilya
CINENT: Biallelic markers for use in constructing a high density...
FILE REFERENCE: GENSET.020CP1
CURRENT APPLICATION WUMBER: US/03-01-21
PRIOR APPLICATION NUMBER: US/094422,978
PRIOR PILING DATE: BARLIER PRILING DATE: 1999-04-21
PRIOR FILING DATE: BARLIER PILING DATE: 1999-04-21
PRIOR PLING DATE: BARLIER PILING DATE: 1999-04-21
PRIOR PILING DATE: EARLIER PAPLICATION NUMBER: US 60/109,732
PRIOR PILING DATE: EARLIER APPLICATION NUMBER: US 60/082,614
PRIOR FILING DATE: EARLIER PILING DATE: 1999-04-21
NUMBER OF SEQ ID NOS: 11796
LENGTH: 20
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Pred. No. 5.7e+02;
0; Mismatches 1; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                       1; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-10-349-143-6200/c
Sequence 6200, Application US/10349143
; Publication No. US20040005584A1
; GENERAL INFORMATION:
PRIOR FILING DATE: 1997-08-15
PRIOR APPLICATION NUMBER: PO5519
PRIOR FILING DATE: 1996-11-08
NUMBER OF SEQ ID NOS: 57
SOFTWARE: Patentin Ver: 2.0
SEQ ID NO 6
LENGTH: 20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                 525 TTATATCCTAACCTTAC 541
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                                                                                                                                                                                                                    ) TYPE: DNA
; ORGANISM: Hepatitis B virus
US-10-260-451-6
                                                                                                                                                                                                                                                                                                                                    Query Match 0.3
Best Local Similarity 94.1
Matches 16; Conservative
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APPLICANT: Gatanaga, T.
APPLICANT: Gatanaga, T.
Granger, G.A.
TITLE OF INVENTION: Factors Altering Tumor Necrosis
Factor Receptor Releasing Enzyme Activity, and Methods
of Use Thereof
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows
SOFTWARE: FastSEQ for Windows Version 2.0b
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AFILIAN NOMES OF SECTION NUMBER: 08/964,747
FILING DATE: 05-NOV-1997
APPLICATION NUMBER: 06/030,761
ATTORNEY/AGENT INFORMATION:
NAME: Wu, Frank
REGISTRATION NUMBER: 41,386
RESPERENCE/DOCKET NUMBER: 42000-20577.21
TELECOMMINICATION INFORMATION:
TELEPHONE: 650-813-5600
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0.3%; Score 15.4; DB 1;
94.1%; Pred. No. 5.7e+02;
cive 0; Mismatches 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/11/011,500
FILING DATE: 13-Dec-2004
CLASSIFICATION: «Inknown»
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/10/967,092
FILING DATE: 15-Oct-2004
APPLICATION NUMBER: US/09/112,813
FILING DATE: 13-Nov-2000
APPLICATION NUMBER: US/09/091,385
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SEQUENCE DESCRIPTION: SEQ ID NO: 98:
US-11-011-500-98
                                                                                                                                                                                                                                                                                                            NUMBER OF SEQUENCES: 154
CORRESPONDENCE ADDRESS:
ADDRESSEE: MORRISON & FOERSTER
STREET: 755 PAGE MILL ROAD
CITY: PAIO Alto
STATE: CA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    RESULT 686
US-10-872-645-29/c
'Sequence 29, Application US/10872645
; Publication No. US20050100887A1
                                                                                                                             US-11-011-500-98
; Sequence 98, Application US/11011500
; Publication No. US/2050158826A1
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         4586 CCACACAGGGCTTCATC 4602
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TELEX: 706141
INFORMATION FOR SEQ ID NO: 98:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           LENGIH: 20 base pairs
4586 CCACACAGGCCTTCATC 4602
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TOPOLOGY: linear
                          CCACAGAGGCTTCATC 18
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                                                                                                                                                                                                                                                                                                                                                                                                                                                     COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity
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                                                                                                             RESULT 685
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APPLICANT: Gatanaga, T.
Granger, G.A.
TITLE OF INVENTION: Factors Altering Tumor Necrosis
Factor Receptor Releasing Enzyme Activity, and Methods
of Use Thereof
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
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                                                                                                                                                               Length 20;
                                                                                                                                                                                                     1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COUNTER: USA

ZIP: 94304-1018

COMPUTER READABLE FORM:
MEDIUN TYPE: Diskette
COMPUTER: IBM Compatible
COPERATING SYSTEM: Windows
SOFTWARE: FastSEQ for Windows Version 2.0b
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/967,092
FILING DATE: 15-Oct-2004
CLASSIFICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
APPLICATION NUMBER: US/09/112,813
FILING DATE: UNKNOWN:
FILING DATE: UNKNOWN:
APPLICATION NUMBER: 08/964,747
FILING DATE: CURROWN:
APPLICATION NUMBER: 06/030,761
FILING DATE: 06-NOV-1997
APPLICATION NUMBER: 06-NOV-1997
APPLICATION NUMBER: 06-NOV-1996
ATTORNEY AGENT INFORMATION:
NAME: WU. Frank
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          REGISTRATION NUMBER: 41,386
REFERENCE/DOCKET NUMBER: 22000-20577.21
                                                                                                                                                          Score 15.4; DB 1;
Pred. No. 5.7e+02;
0; Mismatches 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TOPOLOGY: linear ; SEQUENCE DESCRIPTION: SEQ ID NO: 98: US-10-967-092-98
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NUMBER OF SEQUENCES: 154
CORRESPONDENCE ADDRESSES
STREET: 755 PAGE MILL ROAD
CITY: Palo Alto
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-813-5600
TELEFAA. 650-494-0792
TELEFA: 706141
INFORMATION FOR SEQ ID NO: 98:
                                                                                                                                                                                                                                                                                                                                                                                  US-10-967-092-98
; Sequence 98, Application US/10967092
; Publication No. US20050090647A1
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       LENGTH: 20 base pairs
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                                                                                                                                                                                                                                                                          17 ATGTCTACTGTAAACAG 1
                                                                                                                                                               Ouery Match 0.3%;
Best Local Similarity 94.1%;
Matches 16; Conservative
                                          TYPE: DNA
ORGANISM: Artificial sequence
                                                                                                    OTHER INFORMATION: Primer US-10-481-613-156
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                      LENGTH: 20
                                                                                  FEATURE:
                                                                                                                                                                                                                                                                                                                                                                  RESULT 684
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Sequence 127, Application US/10160786
Sequence 127, Application US/10160786
Publication No. US20030225013A1
GENERAL INFORMATION:
BAPLICANT: Susan M. Freier
APPLICANT: Susan M. Freier
APPLICANT: Susan M. Freier
APPLICANT: Susan M. Proble
TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUBITILE OF INVENTION: PISO EXPRESSION
FILE REPERENCE: RYS-0376
CURRENT APPLICATION NUMBER: US/10/160,786
CURRENT APPLICATION NUMBER: 2002-05-31
NUMBER OF SEQ ID NOS: 147
SEQ ID NOS: 147
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 59, Application US/10667022

Publication No. US20040063657A1

GENERAL INFORMATION:

APPLICANT: Susan M. Freier

APPLICANT: Susan M. Preier

TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY GUBI

TITLE OF INVENTION: P150 EXPRESSION

TITLE OF INVENTION: P150 EXPRESSION

FILE REFERENCE: RTS-0376

CURRENT APPLICATION NUMBER: US/10/667,022

CURRENT FILING DATE: 2003-09-18

NUMBER OF SEQ ID NOS: 147

LENGTH: 20
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Publication No. US20040063657A1

Publication No. US20040063557A1

Publication No. US20040063657A1

APPLICANT: Susan M. Freier

APPLICANT: Kenneth W. Dobie

TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUBI

TITLE OF INVENTION: P150 EXPRESSION

FILE REFERENCE: RTS-0376

CURRENT APPLICATION NUMBER: US/10/667,022

CURRENT FILING DATE: 2003-09-18

NUMBER OF SEG ID NOS: 147

SEQ ID NO 127
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85.0%; Pred. No. 5.9e+02;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ; OTHER INFORMATION: Antisense Oligonucleotide US-10-667-022-59
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               3319 AAACCAGTAATACCGGTTTT 3338
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Best Local Similarity 85.0 Matches 17; Conservative
                                                                                                                                                                                                                                                                                                                                     TYPE: DNA
ORGANISM: H. sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-10-667-022-127/c
                                                                                                                                                                                                                                                                                                                                                                                                              US-10-160-786-127
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    RESULT 689
US-10-667-022-59
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: DNA
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US-10-160-786-59
US-10-160-786-59
Sequence 59, Application US/10160786
Publication No. US20030225013A1
GENERAL INFORMATION:
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: PL50 EXPRESSION
TITLE OF INVENTION: PL50 EXPRESSION
TITLE OF INVENTION: PL50 EXPRESSION
TITLE OF LIAMENTER RTS-0376
CURRENT APPLICATION NUMBER: US/10/160,786
CURRENT PILING DATE: 2002-05-31
NUMBER OF SEQ ID NOS: 147
SEQ ID NOS: 147
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                                                       APPLICANT: Gutbrod, Heidrun
APPLICANT: Mueller, Stefan
APPLICANT: Mueller, Stefan
APPLICANT: Mueller, Stefan
APPLICANT: Katetzer, Friedrich
APPLICANT: Katetzer, Friedrich
TITLE OF INVENTION: Targete for Hepatitis C Virus Infections
FILE REFERENCE: AXM-014.1 US
CURRENT APPLICATION NUMBER: US/10/872,645
CURRENT FILING DATE: 2004-06-21
PRIOR FILING DATE: 2004-06-21
PRIOR FILING DATE: 2001-12-19
PRIOR PRIOR APPLICATION NUMBER: US 60/341,757
PRIOR FILING DATE: 2001-12-21
NUMBER OF SEQ ID NOS: 33
SOFTWARE: Patentin Version 3.2
LENGTH: 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0.3%; Score 15.2; DB 1; Length 17; 93.8%; Pred. No. 5.1e+02;
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85.0%; Pred. No. 5.9e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          , OTHER INFORMATION: Antisense Oligonucleotide
US-10-160-786-59
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1; Mismatches
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LOCATION: (18)...(18)
OTHER INFORMATION: n=a or g or t or c
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C
                 Salassidis, Konstadinos
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OTHER INFORMATION: v = a or g
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ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Best Local Similarity 93.8
Matches 15; Conservative
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Best Local Similarity 85.0
Matches 17; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      OTHER INFORMATION: Primer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NAME/KEY: misc_feature
LOCATION: (17)..(17)
                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: DNA ORGANISM: Artificial
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-10-872-645-29
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FEATURE:
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Factor No. US20020004490A1
GENERAL INFORMATION:
APPLICANT: Dean, Nicholas M.
APPLICANT: Dann, Nicholas M.
APPLICANT: Myatt, Jacqueline
APPLICANT: Whatt, Jacqueline
APPLICANT: Stapped, Hong
TITLE OF INVERTION: Antisense Compound Modulation of Fas Mediated Signaling
FILE REFERENCE: ISPH-545
CURRENT PELING DATE: 2001-03-09
FRIOR PELING DATE: 2001-03-09
PRIOR APPLICATION NUMBER: US 09/665,615
PRIOR APPLICATION NUMBER: US 09/665,615
PRIOR APPLICATION NUMBER: US 09/665,615
PRIOR APPLICATION NUMBER: US 09/290,640
PRIOR FILING DATE: 1999-04-12
NUMBER OF SEQ ID NOS: 180
SEQ ID NO 177
LENGTH: 20
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Publication No. US20020066118A1
GENERAL INFORMATION:
APPLICANT: Roder, Marion
TITLE OF INVENTION: Microsatellite Markers for Plants of the Species
TITLE OF INVENTION: Triticum Abetivum and Tribe Triticase and the Use of
TITLE OF INVENTION: Said Markers
TITLE OF INVENTION: Said Markers
UNRENT APPLICATION NUMBER: US/08/983,605A
CURRENT FILING DATE: 1998-05-01
EARLIER APPLICATION NUMBER: DE 195-06-28
NUMBER OF SEQ ID NOS: 466
SOFTWARE: PatentIn Ver. 2.0
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0.3%; Score 15.2; DB 1; Length 20;
Best Local Similarity 85.0%; Pred. No. 5.9e+02;
Matches 17; Conservative 0; Mismatches 3; Indels
                                                                                                                                            Length 20;
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                                                                                                                                       Score 15.2; DB 1;
Pred. No. 5.9e+02;
                                                                                                                                  Query Match 0.3%; Score 15.2; D
Best Local Similarity 85.0%; Pred. No. 5.9e
Matches 17; Conservative 0; Mismatches
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                                                                                                                                                                                                                              3319 AAACCAGTAATACCGGTTTT 3338
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ; TYPE: DNA
; ORGANISM: Triticum aestivum
US-08-983-605-245
                     TYPE: DNA
ORGANISM: H. sapiens
FEATURE:
                                                                                                                                                                                                                                                                                                                                              RESULT 691
US-08-983-605-245/c
                                                                      ; FEATURE:
US-10-667-022-127
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LENGTH: 20
LENGTH: 20
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Sequence 15, Application US/09817135B

Sequence 15, Application US/09817135B

Sequence 15, Application US/09817135B

GENERAL INFORMATION:

APPLICANT: Clavel, Francois

APPLICANT: Race, Esther

APPLICANT: Bammano, Fabrizzio

APPLICANT: Dam, Elisabeth

APPLICANT: Dam, Elisabeth

APPLICANT: Trouplin, Virginie

TITLE OF INVENTION: Method for Analysing Human Immunodeficiency Virus (HIV) Phenotypi

TITLE OF INVENTION: Characteristics

TITLE OF INVENTION: Characteristics

TITLE OF INVENTION UMBER: PR00/14495

FILE REFERENCE: 60240.000002

CURRENT FILING DATE: 2001-10-27

PRIOR APPLICATION NUMBER: FR01/03970

SOFTWARE: PatentIn version 3.1

SEQ ID NO 15

LENGTH: 20

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LENGTH: 20

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APPLICANT: Gacqueline Wyatt
APPLICANT: Gacqueline Wyatt
APPLICANT: Gacqueline Wyatt
APPLICANT: Madeline M. Freier
APPLICANT: Madeline M. Butler
APPLICANT: Madeline M. Butler
APPLICANT: Madeline M. Butler
APPLICANT: Mobert McKay
ITILE OF INVENTION: ANTISENSE MODULATION OF PTPIB EXPRESSION
FILE REFERENCE: ISPH-0576
CURRENT APPLICATION NUMBER: US/09/654,883
CURRENT APPLICATION NUMBER: US 09/629,644
PRIOR FILING DATE: 2000-07-31
PRIOR FILING DATE: 2000-07-31
PRIOR FILING DATE: 2000-01-18
NUMBER OF SEQ ID NOS: 389
SEQ ID NO 305
LENGTH: 20
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Query Match 0.3%; Score 15.2; DB 1; Length 20; Best Local Similarity 85.0%; Pred. No. 5.9e+02; Matches 17; Conservative 0; Mismatches 3; Indels
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0.3%; Score 15.2; DB 1;
Best Local Similarity 85.0%; Pred. No. 5.9e+02;
Matches 17; Conservative 0; Mismatches 3;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            , OTHER INFORMATION: Antisense Oligonucleotide US-09-854-883-305
                                                                                                                                                                                                                                                                                                                                                         Sequence 305, Application US/09854883
Patent No. US20020055479A1
GENERAL INFORMATION:
                                                                                                                                3312 AAATAAAAACCAGTAATAC 3331
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        2152 GAGCTCCAAGCCTTACATGA 2171
                                                                                                                                                                                          1 AAAGAGAAAACCAGAAATAC 20
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ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
FEATURE:
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ZIF: 20004
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/982,828
FILING DATE: 22-OCt-2001
CLASSIFICATION: «Unknown»
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Zeng, Bin
TITLE OF INVENTION: Coding Sequences of the Human
BRCA1 Gene
                                                                                                                                                                                                                                                                                                                                       STRANDEDNESS: No. US20020183268A1 Relevant
                                                                                        FILING DATE: 12-Feb-96
ATTOREY/AGENT INFORMATION:
NAME: Michael S. Tuscan
REGISTRATION NUMBER: 43,210
REPERBUCE/DOCKET NUMBER: 44921-5055-02-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-739-3000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match 0.3%; Score 15.2; DB 1; Best Local Similarity 85.0%; Pred. No. 5.9e+02; Matches 17; Conservative 0; Mismatches 3;
                          : US 08/966,436
. US20020183268A1-97
: US 08/598,591
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CORRESPONDENCE ADDRESS:
ADDRESSEE: Morgan Lewis & Bockius LLP
STREET: 1111 Pennsylvania Avenue N. W.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 09/074,453
FILING DATE: 1998-05-06
APPLICATION NUMBER: US 08/798,691
FILING DATE: 1997-02-12
APPLICATION NUMBER: US 08/598,591
FILING DATE: 1966-02-12
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 STRAIN: 19F primer
SEQUENCE DESCRIPTION: SEQ ID NO: 61:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Murphy, Patricia D.
Allan, Antonette C.
Alvares, Christopher P.
Critz, Brenda S.
Olson, Sheri J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       4104 CTGTCATCCTTCCAGGGCTC 4123
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                                                                                                                                                                                                                                                                                                                                                                                              TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NAME: Michael S. Tuscan
                                                                                                                                                                                                                                                                                                                              LENGTH: 20 base pairs
                                                                                                                                                                                                                                                   TELEFAX: 202-739-3001
INFORMATION FOR SEQ ID NO: 61:
SEQUENCE CHARACTERISTICS:
                          APPLICATION NUMBER:
FILING DATE: 07-NO.
APPLICATION NUMBER:
       PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CITY: Washington STATE: DC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-09-734-672-61
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US-09-982-828-61
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; OTHER INFORMATION: FIN-C sequence. Amplifies a region coding for envelope gene.
US-09-817-135B-15
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                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: C. Frank Bennett
APPLICANT: C. Frank Bennett
APPLICANT: Takabhi Kei Kishimoto
APPLICANT: Takabhi Kei Kishimoto
APPLICANT: Lex M. Cowest
TITLE OF INVENTION: ANTISENSE MODULATION OF CYTOHESIN-1 EXPRESSION
FILE REFERENCE: FRS-6095
CURRENT APPLICATION NUMBER: US/09/791,243
CURRENT FILING DATE: 2001-02-22
NUMBER OF SEQ ID NOS: 89
SEQ ID NO 31
                                                                                                                  ö
                                                                     Length 20;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0.3%; Score 15.2; DB 1; Length 20;
85.0%; Pred. No. 5.9e+02;
tive 0; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 61, Application US/09734672
Publication No. US20020183268A1
GENERAL INFORMATION:
APPLICANT: Murphy, Patricia D.
Allen, Antonette C.
Alvares, Christopher P.
Critz, Brenda S.
Olson, Sheri J.
Schelter, Denise B.
Zeng, Bin
TITLE OF INVENTION: Coding Sequences of the Human
BRCA1 Gene
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: PatentIn Release #1.0, Version #1.30
                                                                  Query Match 0.3%; Score 15.2; DB 1; Best Local Similarity 85.0%; Pred. No. 5.9e+02; Matches 17; Conservative 0; Mismatches 3;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CORRESPONDENCE ADDRESS:
ADDRESSEE: Morgan Lewis & Bockius LLP
STREET: 1111 Pennsylvania Ave., N.W.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     OTHER INFORMATION: Antisense Oligonucleotide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/734,672
FILING DATE: 03-Dec-2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CITY: Washington
STATE: District of Columbia
                                                                                                                                                                                                                                                                                                                      ; Sequence 31, Application US/09791243; Patent No. US20020147164A1; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COUNTRY: USA
ZIP: 20004
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                             765 CTATAAACAAGAGCTGGAGG 784
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Matches 17; Conservative
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US-09-734-672-61
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SOFWARE: Patentin version 3.1
SEQ ID NO 125
LENCTH: 20
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Best Local Similarity 85.03
Matches 17; Conservative
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CORGANISM: Homo sapiens
US-09-923-327-125
                                                                                                                                                                                                                                                                                      RESULT 699
US-09-917-963-44/c
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 549, Application US/09784674
Publication No. US20030054346A1
GENERAL INFORMATION:
Molber, Paul K.
Delenstarr, Glenda C.
Webb, Perdy, Robert H.
Kincald, Robert H.
TITLE OF INVENTION: Methods for evaluating oligonucleotide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER KEALABLE FURNE

MEDIUM TYPEL FURNE

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFFWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION DATA: 109/784,674

FILIND DATE: 15-Feb-2001

CLASSIFICATION NUMBER: 09/021,701

FILIND DATE: 10-Feb-1998

ATTORNEY/AGENT INFORMATION:

REGISTRATION NUMBER: 36,697

REPERENCE/DOCKET NUMBER: 36,697

REPERENCE/DOCKET NUMBER: 10971464-1

TELECOMMUNICATION INFORMATION:

SEQUENCE CHARACTERISTICS:

LENGTH: 20 base pairs
                                                                                                                                                                                                                                                                                                                                                          0.3%; Score 15.2; DB 1; Length 20;
85.0%; Pred. No. 5.9e+02;
tive 0; Mismatches 3; Indels
REFERENCE/DOCKET NUMBER: 44921-5053-01-US TELECOMMUNICATION INFORMATION: TELEPHONE: 202-739-3000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NUMBER OF SEQUENCES: 1165
CORRESPONDENCE ADDRESS:
ADDRESSEE: Records Manager, Legal
Company M/S 2080
STREET: 3000 Hanover Street
CITY: Palo Alto
STATE: CA
                                                                                                                                                                                                                                                         STRAIN: 19F primer; SEQUENCE DESCRIPTION: SEQ ID NO: 61: US-09-982-828-61
                                                                                                                                                           TYPE: nucleic acid
STRANDEDNESS: not relevant
                                                                                                                                                                                                                                                                                                                                                                                                                                                   4104 CTGTCATCCTTCCAGGGCTC 4123
                                                                                                                                                                                                     TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
ORIGINAL SOURCE:
                                                        INFORMATION FOR SEQ ID NO: 61:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: nucleic acid
STRANDEDNESS: single
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COMPUTER READABLE FORM:
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MOLECULE TYPE: cDNA
                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity 85.0°
Matches 17; Conservative
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APPLICANT: WURBHY, Patricia D.
TITLE OF INVENTION: Determining Common Functional Alleles in a Population and Uses Thr
FILE REPREBUCE: 044921-5054-05
CURBENT APPLICATION NUMBER: US/09/923,327
CURBENT FILING DATE: 2002-04-01
                                                                                                                                                                                                                                                                                                                                                                                                                                                               Publication No. US20030086912A1
Publication No. US20030086912A1
GENERAL INFORMATION:
APPLICANT: Rosanne M. Crooke
APPLICANT: Mark J. Graham
TITLE OF INVENTION: ANTISENSE MODULATION OF MICROSOMAL TRIGLYCERIDE TRANSFER PROTEIN
TITLE OF INVENTION: ANTISENSE
TITLE OF INVENTION: ANTISENSE
CURRENT APPLICATION NUMBER: US/09/917,963
CURRENT APPLICATION NUMBER: US/09/917,963
CURRENT FILING DATE: 2001-07-30
NUMBER OF SEQ ID NOS: 137
LENGTH: 20
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                                                                                                                                                         Length 20;
                                                                                                                                                   Query Match
0.3%; Score 15.2; DB 1;
Best Local Similarity 85.0%; Pred. No. 5.9e+02;
Matches 17; Conservative 0; Mismatches 3;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   OTHER INFORMATION: Antisense Oligonucleotide US-09-917-963-44
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   0; Mismatches
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; SEQUENCE DESCRIPTION: SEQ ID NO: 549:
US-09-784-674-549
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CURRENT FILING DATE: 2002-04-01
PRIOR APPLICATION NUMBER: US 08/598,591
PRIOR PILING DATE: 1996-02-12
PRIOR APPLICATION NUMBER: US 08/798,691
PRIOR PILING DATE: 1997-02-12
PRIOR PILING DATE: 1997-02-12
PRIOR APPLICATION NUMBER: US 08/905,772
PRIOR APPLICATION NUMBER: US 09/084,471
PRIOR PILING DATE: 1998-05-22
PRIOR FILING DATE: 1998-06-04
PRIOR FILING DATE: 1998-08-04
PRIOR PILING DATE: 1998-08-04
PRIOR PILING DATE: 2000-03-14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 125, Application US/09923327
Publication No. US20030096236A1
GENERAL INFORMATION:
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APPLICANT: Donna T. Ward
APPLICANT: Andrew T. Watt
TITLE OF INVENTION: ANTISENSE MODULATION OF RECQLS EXPRESSION
FILE REPERENCE: RTS-0203
CURRENT APPLICATION NUMBER: US/10/238,443
CURRENT FILING DATE: 2002-09-09
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            REFERENCE/DOCKET NUMBER: 044921-5049-01-US TELECOMMUNICATION INFORMATION: TELEPHONE: 202-739-3000
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0.3%; Score 15.2; DB 1;
Best Local Similarity 85.0%; Pred. No. 5.9e+02;
Matches 17; Conservative 0; Mismatches 3;
                                                                                                                                                                                                                                                                                                               CORRESPONDENCE ADDRESS:
ADDRESSEE: Morgan Lewis & Bockius LLP
STREET: 1111 Pennsylvania Avenue
CITY: Washington DC
STATE: District of Columbia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/022,819
FILING DATE: 22-Apr-2002
CLASSIFICATION: <Unknown>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FRAGMENT TYPE: internal SEQUENCE DESCRIPTION: SEQ ID NO: 56: US-10-022-819-56
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PRIOR APPLICATION DATA:

APPLICATION WUNBER: 09/074,452
FILING DATE: 1998-05-06
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            REGISTRATION NUMBER: <Unknown>
                             Sequence 56, Application US/10022819; Publication No. US20030027166A1; GENERAL INFORMATION:
APPLICANT: ALLEN, Antonette C. OLSEN, Sheri J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: other nucleic ac
DESCRIPTION: /desc = "PRIN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   4104 CTGTCATCCTTCCAGGGCTC 4123
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                                                                                                                                                          LAWRENCE, Tammy
ANGELLY, Tracy S.
RABIN, Mark B.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TELEFAX: 202-739-3001
INFORMATION FOR SEQ ID NO: 56:
                                                                                                                                                                                                                                                                                             NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ANTI-SENSE: NO
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                                                                                                                                                                                                                                                                          Sequence 77, Application US/09954679
Publication No. US20030100522A1
Publication No. US20030100522A1
GENERAL INFORMATION:
APPLICANT: Donna T. Ward
APPLICANT: Andrew T. Watt
TITLE OF INVENTION: SYNTHETASE-DEPENDENT) EXPRESSION
FILE REPERENCE: RTS-0212
CURRENT APPLICATION NUMBER: US/09/954,679
CURRENT APPLICATION NUMBER: US/09/954,679
CURRENT PILIOR DATE: 2001-09-12
NUMBER OF SEQ ID NOS: 88
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Sequence 4, Application US/09782604

Sequence 4, Application No. US20030143534A1

Hublication No. US20030143534A1

APPLICANT: GOSWAMI, USHA

APPLICANT: GOSWAMI, SUBHASH CHANDER

APPLICANT: JOHNSON, ROBERT K.

TITLE OF INVENTION: PROBES FOR MYCTOPHID FISH AND A METHOD FOR DEVELOPING

TITLE OF INVENTION: THE SAME

FILE REFERENCE: 05689/0117

CURRENT APPLICATION UNDRER: US/09/782,604

CURRENT FILING DATE: 2001-02-14

NUMBER OF SEQ ID NOS: 45

SOFTWARE: PATENTIN VET. 2.1

SEQ ID NO 4

LENGTH: 20
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US-09-782-604-4
        Length 20;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match 0.3%; Score 15.2; DB 1; Length 20; Best Local Similarity 85.0%; Pred. No. 5.9e+02; Matches 17; Conservative 0; Mismatches 3; Indels
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                                                      3; Indels
Query Match

0.3%; Score 15.2; DB 1;
Best Local Similarity 85.0%; Pred. No. 5.9e+02;
Matches 17; Conservative 0; Mismatches 3;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ; OTHER INFORMATION: Antisense Oligonucleotide US-09-954-679-77
                                                                                                         4104 CTGTCATCCTTCCAGGGCTC 4123
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    3402 GCAACTCATCCAGCAAAAGC 3421
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: DNA
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: DNA ORGANISM: Artificial Sequence
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Query Match
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US-10-309-362-51/C
US-10-309-362-51/C
Sequence 51, Application US/10309362
Sequence 51, Application US/10309362
Sequence 51, Application US/20030114412A1
SEGUENCE INFORMATION:
APPLICANT: Donna T. Wart
STILE OF INVENTION: ANTISENSE MODULATION OF RECQL5 EXPRESSION
FILE REFERENCE: RTS-0203
CURRENT APPLICATION NUMBER: US/10/309,362
CURRENT APPLICATION NUMBER: US/10/309,362
PRIOR APPLICATION NUMBER: US/10/309,362
PRIOR PLING DATE: 2001-03-01
SPION FILING DATE: 2001-03-01
SEQ ID NO 5:
LENGTH: 20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 15, Application US/10094458A
; Bequence 15, Application US/10094458A
; Publicacion No. USC030097685A1
; GENERAL INFORMATION:
; APPLICANT: BENNING, CHRISTOPHER
; APPLICANT: CERNAC, ALEX
; TITLE OF INVENTION: LIPID METABOLISM REGULATORS IN PLANTS
; FILE REFERENCE: 16313.0097
; CURRENT APPLICATION NUMBER: US/10/094,458A
; CURRENT FILING DATE: 2002-10-10
; PRIOR APPLICATION NUMBER: 60/274,170
; PRIOR PILING DATE: 2001-03-08
; NUMBER OF SEQ ID NOS: 39
; SOFTWARE: PATENTIN Ver. 2.1
; SEQ ID NO 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 0.3%; Score 15.2; DB 1; Length 20; Best Local Similarity 85.0%; Pred. No. 5.9e+02; Matches 17; Conservative 0; Mismatches 3; Indels
                                                                                                                                                                                                                                          0.3%; Score 15.2; DB 1; Length 20; 85.0%; Pred. No. 5.9e+02; tive 0; Mismatches 3; Indels
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                                                                                                                                                                                CTHER INFORMATION: Antisense Oligonucleotide US-10-238-443-51
PRIOR APPLICATION NUMBER: US/09/798,185
PRIOR FILING DATE: 2001-03-01
NUMBER OF SEQ ID NOS: 92
SEQ ID NO 51
LENGTH: 20
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ORGANISM: Artificial Sequence
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                                                                                                                        TYPE: DNA ORGANISM: Artificial Sequence
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Best Local Similarity 85.03
Matches 17; Conservative
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US-10-094-458A-15/c
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Sequence 4, Application US/10109349A
; Sequence 4, Application US/10109349A
; Sequence 4, Application No. US20030186246A1
; Publication No. US20030186246A1
; GRMERAL INFORMATION:
    APPLICANT: Willey, James C.
    APPLICANT: Willey, James C.
    APPLICANT: Willey, James C.
    TITLE OF INVENTION: WILTIPLEX STANDARDIZED REVERSE TRANSCRIPTASE-POLYMERASE CHAIN REPAITIES OF INVENTION: WILTIPLEX STANDARDIZED REVERSE TRANSCRIPTASE-POLYMERASE CHAIN REPAITIES OF INVENTION: WILTIPLE OF A SESSENBENT OF GENE EXPRESSION IN SMALL BIOLOGICAL SAMI; FILE REFERENCE: 01154/2001-203
    CURRENT APPLICATION NUMBER: US/10/109,349A
; CURRENT PILING DATE: 2002-06-12
; NUMBER OF SEQ ID NOS: 282
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 4.
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US-10-174-794-9/C

US-10-174-794-9/C

Sequence 9, Application US/10174794

Publication No. US20030166220A1

GENERAL INFORMATION:

APPLICANT: University of Southern California

ITILE OF INVENTION: CDN4, GENOMIC, AND PREDICTED PROTEIN

TITLE OF INVENTION: SEQUENCES OF LEARNING-INDUCED KINASES

FILE REFERENCE: 13761-707

CURRENT APPLICATION NUMBER: US/10/174,794

CURRENT FILING DATE: 2002-06-18

PRIOR FILING DATE: 1999-10-02

PRIOR FILING DATE: 1999-10-02

NUMBER: OF SEQ ID NOS: 16

SOFTWARE: FASESEQ for Windows Version 4.0

SEQ ID NO 9

LENGTH: 20
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85.0%; Pred. No. 5.9e+02;
tive 0; Mismatches 3; Indels
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0.3%; Score 15.2; DB 1; Length 85.0%; Pred. No. 5.9e+02; tive 0; Mismatches 3; Indels
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Best Local Similarity 85.0%; Pred. No. 5.9e+02;
Matches 17; Conservative 0; Mismatches 3;
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ORGANISM: Artificial Sequence
FEATURE:
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Best Local Similarity 85.0°
Matches 17; Conservative
                                   Best Local Similarity 85.0 Matches 17; Conservative
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ORGANISM: Homo sapiens
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Gaps
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Publication No. US20030224513A1

GENERAL INFORMATION:

APPLICANT: Susan M. Freier

APPLICANT: Erich Koller

TILE OF INVENTION: ANTISENSE MODULATION OF NOTCH1 EXPRESSION

FILE REFERENCE: RTS-036

CURRENT APPLICATION NUMBER: US/10/160,497

CURRENT FILING DATE: 2002-05-30

NUMBER OF SEQ ID NOS: 145

SEQ ID NO 81

LENGTH: 20
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                    APPLICANT: SURJUENT: PRESENT: SURJUENT: SURJUENT: SURJUENT: SURJUENT: STATE PROBLEMAT: Brett P. Monia
APPLICANT: Madeline M. Butler
APPLICANT: Madeline M. Butler
APPLICANT: Robert McKay
ITILE OF INVENTION: ANTISENSE MODULATION OF PTPLB EXPRESSION
FILE REFERENCE: ISPH-0576
CURRENT APPLICATION NUMBER: US/10/360,510
FRIOR APPLICATION NUMBER: US/09/854,883
PRIOR PELING DATE: 2003-05-14
PRIOR FILING DATE: 2000-07-31
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match 0.3%; Score 15.2; DB 1; Length 20; Best Local Similarity 85.0%; Pred. No. 5.9e+02; Matches 17; Conservative 0; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ; OTHER INFORMATION: Antisense Oligonucleotide US-10-360-510-305
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              2152 GAGCTCCAAGCCTTACATGA 2171
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APPLICANT: Kenneth W. Dobie
APPLICANT: Erich Koller
     Jacqueline Wyatt
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-10-160-497-138/c
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APPLICANT: MAWMANO, Fabrizio
APPLICANT: MAWMANO, Fabrizio
APPLICANT: RACE, Bather
APPLICANT: RACE, Bather
APPLICANT: TROUPLIN, Virginie
TITLE OF INVENTION: Characteristics
FILE OF INVENTION: Characteristics
FILE REFERENCE: B7780US
CURRENT APPLICATION NUMBER: US/10/263,655
CURRENT FILING DATE: 2002-10-04
PRIOR APPLICATION NUMBER: US/001/xxxxx
PRIOR FILING DATE: 2001-03-27
NUMBER OF SEQ ID NOS: 27
SOFTWARE: Patentin version 3.0
SEQ ID NO 15.

    i NAME/KEY: primer
    j. LOCATION: (1)...(20)
    j. OCHER INFORMATION: FIN-C sequence. Amplifies a region coding for envelope gene.
    US-10-263-655-15

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0.3%; Score 15.2; DB 1; Length 20;
Best Local Similarity 85.0%; Pred. No. 5.9e+02;
Matches 17; Conservative 0; Mismatches 3; Indels
              Publication No. US20030186903A1
Publication No. US20030186903A1
GENERAL INFORMATION:
APPLICANT: James Karras
TITLE OF INVENTION: ANTISENSE MODULATION OF MYD88 EXPRESSION
FILE REFERENCE: RTS-0330
CURRENT APPLICATION NUMBER: US/10/021,707
CURRENT FILING DATE: 2001-11-23
NUMBER OP SEQ ID NOS: 89
LENGTH: 20
                                                                                                                                                                                                                                                                                                                                                                                                           ; FEATURE;
; OTHER INFORMATION: Antisense Oligonucleotide
US-10-021-707-34
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 15, Application US/10263655; Publication No. US20030207294A1; GENERAL INFORMATION: APPLICANT: CLAVEL, Francois; APPLICANT: CLAVEL, Francois
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ORGANISM: Artificial Sequence
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US-10-360-510-305/c
JS-10-021-707-34
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; Publication No. US20030225019A1
; GENERAL INFORMATION:
    GENERAL INFORMATION:
    APPLICANT: Susan M. Freier
; APPLICANT: Kenneth W. Dobie
; APPLICANT: Erich Koller
; TITLE OP INVENTION: NOTCHI INHIBITORS FOR INDUCING APOPTOSIS
; TITLE OP INVENTION: NUMBER: US/10/348,750
; CURRENT FILING DATE: 2002-01-21
; PRIOR PPLICATION NUMBER: 10/160,497
; PRIOR FILING DATE: 2002-02-20
; NUMBER OF SEQ ID NOS: 146
; SEQ ID NO 81
; LENGTH: 20
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Sequence 118, Application US/10348750

Publication No. US2003022501941

SCHERAL INFORMATION:
APPLICANT: Steneth W. Dobie

APPLICANT: Kenneth W. Dobie

TITLE OF INVENTION: NOTCH! INHIBITORS FOR INDUCING APOPTOSIS

FILE REFERENCE: ISPH-0729

CURRENT APPLICATION NUMBER: US/10/348,750

CURRENT APPLICATION NUMBER: 10/10/4497

PRIOR FILING DATE: 2002-02-20

NUMBER OF SEQ ID NOS: 146

SEQ ID NO 138
TITLE OF INVENTION: ANTISENSE MODULATION OF NOTCH1 EXPRESSION
                                                                                                                                                                                                                                                         0.3%; Score 15.2; DB 1; Length 20; 85.0%; Pred. No. 5.9e+02; tive 0; Mismatches 3; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FEATURE:
, OTHER INFORMATION: Antisense Oligonucleotide US-10-348-750-81
                 FILE REFERENCE: RTS-0386
CURRENT APPLICATION NUMBER: US/10/160,497
CURRENT FILING DATE: 2002-05-30
NUMBER OF SEQ ID NOS: 145
SEQ ID NO 138
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                                                                                                                                                                                                                                                                             Best Local Similarity 85.0 Matches 17; Conservative
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US-10-348-750-138
                                                                                                                                                    TYPE: DNA
ORGANISM: H. sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-10-348-750-138/c
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US-10-175-492-42/c

US-10-175-492-42/c

Sequence 42, Application US/10175492

Sequence 42, Application US/20332442A1

SEQUENCE 42, Application US-20332442A1

GENERAL INFORMATION: ANTISENSE MODULATION OF PAZ/PIWI DOMAIN-CONTAINING PROTEIN EXPRESS.

TITLE REPERENCE: RTS-0435

CURRENT APPLICATION NUMBER: US/10/175,492

CURRENT FILING DATE: 2002-06-17

NUMBER OF SEQ ID NOS: 164

SEQ ID NO 42

LENGTH: 20
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Publication No. US20030232442A1
GENERAL INFORMATION:
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: ANYISENSE MODULATION OF PAZ/PIWI DOMAIN-CONTAINING PROTEIN EXPRESTINE REFERENCE: RTS-0435
CURRENT APPLICATION NUMBER: US/10/175,492
CURRENT PILING DATE: 2002-06-17
NUMBER OF SEQ ID NOS: 164
SEQ ID NO 120
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85.0%; Pred. No. 5.9e+02;
tive 0; Mismatches 3; Indels
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  Length 20;
                                              Indels
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0.3%; Score 15.2; DB 1;
Best Local Similarity 85.0%; Pred. No. 5.9e+02;
Matches 17; Conservative 0; Mismatches 3;
Score 15.2; DB 1;
Pred. No. 5.9e+02;
0; Mismatches 3;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     2136 TGGAAATTATGACACAGAGC 2155
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                                                                                          47 TGCTGGGGCTGCAGCTG 66
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  Query Match 0.3%;
Best Local Similarity 85.0%;
Matches 17; Conservative (
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Best Local Similarity 85.0
Matches 17; Conservative
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ORGANISM: H. sapiens
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US-10-452-002A-42
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APPLICANT: C. Frank Bennett
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: ANTISENSE MODULATION OF GERANYLGERANYL DIPHOSPHATE SYNTHAGE 1 EXP.
FILE REFERENCE: PTS-0021
CURRENT APPLICATION NUMBER: US/10/189,268
CURRENT APPLICATION NUMBER: 2002-07-02
NUMBER OF SEQ ID NOS: 131
SEQ ID NO 109
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 4301, Application US/10349143

Sequence 4301, Application US/10349143

Publication No. US20040005584A1

GENERAL INFORMATION:

APPLICANT: Cohen, Daniel

APPLICANT: Chunakov, Ilya

IIIE REPERENCE: GENSET.020CP1

CURRENT APPLICATION NUMBER: US/10/349,143

CURRENT PILING DATE: 2003-01-21

PRIOR FILING DATE: BARLIER FILING DATE: 1999-10-21

PRIOR FILING DATE: EARLIER FILING DATE: 1999-04-21

PRIOR FILING DATE: EARLIER FILING DATE: 1999-04-21

PRIOR FILING DATE: EARLIER PILING DATE: 1999-11-23

NUMBER OF SEQ ID NOS: 11796

SEQ ID NO 4301

LENGTH: 20
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NAME/KEY: primer_bind
NAME/KEY: primer_bind
LOCATION: 1..20
OTHER INFORMATION: upstream amplification primer 99-14598 for SEQ 367,
US-10-349-143-4301
                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 0.3%; Score 15.2; DB 1; Length 20; Best Local Similarity 85.0%; Pred. No. 5.9e+02; Matches 17; Conservative 0; Mismatches 3; Indels
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     Publication No. US20040005570A1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match 0.3
Best Local Similarity 85.0
Matches 17; Conservative
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ORGANISM: Homo Sapiens
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ORGANISM: H. sapiens
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                                                                                                           APPLICANT: George Morrill
APPLICANT: George Morrill
APPLICANT: George Morrill
Stacey Finstad Lee
TILE REFERENCE: MA708C2D1
CURRENT PRICTION: NO. WIS20030236195A1e1 Pesticidal Proteins and Methods of Using Th
FILE REFERENCE: MA708C2D1
CURRENT APPLICATION NUMBER: US/10/452,002A
FRIOR APPLICATION NUMBER: 09/307,106
PRIOR APPLICATION NUMBER: 09/073,898
PRIOR PILING DATE: 1999-05-07
PRIOR APPLICATION NUMBER: 08/960,780
PRIOR PLING DATE: 1996-10-30
PRIOR PLING DATE: 1996-10-30
NUMBER OF SEQ ID NOS: 54
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 42
LENOTH: 20
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Publication No. US20040005570A1
GENERAL INFORMATION:
APPLICANT: Nicholas M. Dean
APPLICANT: C. Frank Bennett
APPLICANT: Kenneth W. Dobie
ITILE OF INVENTION: ANTISENSE MODULATION OF GERANYLGERANYL DIPHOSPHATE SYNTHASE 1 EXF
FILE REPERENCE: PTS-0021
CURRENT PILING DATE: 2002-07-02
NUMBER OF SEQ ID NOS: 131
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0.3%; Score 15.2; D
Best Local Similarity 85.0%; Pred. No. 5.9e
Matches 17; Conservative 0; Mismatches
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Brian A. Stockhoff
James L. Schmeits
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ORGANISM: Artificial Sequence
                                                                   Charles J. Dullum
Judy Muller-Cohn
Lisa Stamp
                                               David Loewer
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US-10-189-268-109/c
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LENGTH: 20
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Publication No. US20040033979A1
GENERAL INFORMATION:
APPLICANT: Dean, Nicholas M.
APPLICANT: Watt, Jacqueline
APPLICANT: What, Jacqueline
APPLICANT: Zhang, Hong
TITLE OF INVENTION: Attisense Compound Modulation of Fas Mediated Signaling
FILE REFERENCE: ISPH-545
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Sequence 65, Application US/10199676

Publication No. US2040014051A1

GENERAL INFORMATION.

APPLICANT: Vickie L. Brown-Driver

APPLICANT: Kenneth W. Dobie

TITLE REFERENCE: PTS-0017

CURRENT APPLICATION NUMBER: US/10/199,676

CURRENT APPLICATION NUMBER: US/10/199,676

CURRENT FILING DATE: 2002-07-18

NUMBER OF SEQ ID NOS: 84

LENGTH: 20
                                                                                                                                                                                                                                                                                                                                                       APPLICANT: Vickie L. Brown-Driver
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: ANTISENSE MODULATION OF BREAST CANCER-1 EXPRESSION
FITLE OF INVENTION: ANTISENSE WOULD 199,676
CURRENT APPLICATION NUMBER: US/10/199,676
CURRENT FILING DATE: 2002-07-18
NUMBER OF SEQ ID NOS: 84
LENGTH: 20
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0.3%; Score 15.2; DB 1;
Best Local Similarity 85.0%; Pred. No. 5.9e+02;
Matches 17; Conservative 0; Mismatches 3;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ) OTHER INFORMATION: Antisense Oligonucleotide US-10-199-676-29
   1669 GGAGAGCCTAAGGAAATGG 1688
                                                                                                                                                                                                                                              ; Sequence 29, Application US/10199676
; Publication No. US20040014051A1
; GENERAL INFORMATION:
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                                                                          1 GCAGAGAGTAAGGAAGATGG 20
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ORGANISM: H. sapiens
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Sequence 4833, Application US/10289762

Publication No. US20040006218A1

GENERAL INFORMATION:

APPLICANT: Griffals, R.

APPLICANT: Griffals, R.

TITLE OF INVENTION: thereof and uses thereof, in particular for the diagnosis, prevering the Perent Application and treatment of infection

TITLE OF INVENTION: and treatment of infe
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TITLE OF INVENTION: ANTISENSE MODULATION OF INTEGRIN BETA 5 EXPRESSION PILE OF ENVENTED BY SERVINGER: PTS-0024
CURRENT APPLICATION NUMBER: US/10/188,470
CURRENT FILING DATE: 2002-07-02
NUMBER OF SEQ ID NOS: 130
LENGTH: 20
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APPLICANT: Scott Cooper
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: ANTISENSE MODULATION OF INTEGRIN BETA 5 EXPRESSION
FILE REFERENCE: PTS-0024
CURRENT APPLICATION NUMBER: US/10/188,470
CURRENT FILING DATE: 2002-07-02
NUMBER OF SEQ ID NOS: 130
SEQ ID NO 128
LENGTH: 20
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Publication No. US20040005707A1
GENERAL INFORMATION:
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CRGANISM: Chlamydia pneumoniae
US-10-289-762-4833
                                                                                                                                                                                                                                                          TYPE: DNA
ORGANISM: Artificial Sequence
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ORGANISM: H. sapiens
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Best Local Similarity
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APPLICANT: YANAI, Yoshiaki
APPLICANT: YAMAOTO, Shigeto
APPLICANT: YAMAOTO, Shigeto
APPLICANT: YAMAOTO, Kozo
APPLICANT: YAMAOTO, Kozo
APPLICANT: IKEGAMI, Hakuo
TITLE OF INVENTION: Method for estimating therapeutic efficacy of tumor necrosis
TITLE OF INVENTION: Method for estimating therapeutic efficacy of tumor necrosis
TITLE OF INVENTION: Method for estimating therapeutic efficacy of tumor necrosis
TITLE OF INVENTION: Method for estimating therapeutic efficacy of tumor necrosis
TITLE OF INVENTION OF TUMORER: US/10/409,107A
CURRENT FILING DATE: 2002-04-09
NUMBER OF SEQ ID NOS: 100
SOFTWARE: Patentin version 3.2
SEQ ID NO 7
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US-10-409-107A-7
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PUDlication No. US20040053288A1
GENERAL INFORMATION NO. US20040053288A1
GENERAL INFORMATION NO. Shigeto
APPLICANT: YAMAMOTO, Kozo
APPLICANT: YAMAMOTO, Kozo
APPLICANT: IKEGAMI, Hakuo
TITLE OF INVENTION: Method for estimating therapeutic efficacy of tumor necrosis
TITLE OF INVENTION: factor
FILE REFERENCE: YANAI=3
CURRENT APPLICATION NUMBER: US/10/409,107A
CURRENT PLING DATE: 2003-04-19
PRIOR FILING DATE: 2002-04-09
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; OTHER INFORMATION: FIN-C sequence. Amplifies a region coding for envelope gene.
US-10-436-458-15
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85.0%; Pred. No. 5.9e+02;
tive 0; Mismatches 3; Indels
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85.0%; Pred. No. 5.9e+02;
iive 0; Mismatches 3; Indele
     PRIOR FILING DATE: 2000-11-10
PRIOR APPLICATION WUMBER: FRO1/03970
PRIOR FILING DATE: 2001-03-23
NUMBER OF SEQ ID NOS: 27
SOFTWARE: Patentin version 3.1
SEQ ID NO 15
LENGTH: 20
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                                                                                                                                                                                 TYPE: DNA
ORGANISM: Artificial Sequence
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Best Local Similarity 85.0
Matches 17; Conservative
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Matches 17; Conservative
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Publication No. US20040053219A1
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Clavel, Francois
APPLICANT: Obry, Veronique
APPLICANT: Dam, Elisabeth
APPLICANT: Trouplin, Virginie
TITLE OF INVENTION: Method for Analysing Human Immunodeficiency Virus (HIV) Phenotypi
TITLE OF INVENTION: Characteristics
FILE REFERENCE: 60240.000002
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APPLICANT: Kenneth Dobie
TITLE OF INVENTON: ANTISENSE MODULATION OF MYD88 EXPRESSION
FILE REPRENCE: FT2-0330
CURRENT APPLICATION NUMBER: US/10/673,063
CURRENT FILING DATE: 2003-09-26
NUMBER OF SEQ ID NOS: 89
SEQ ID NO 34
                                                                                                                                                                                                                                                                                                                                                                                                                                                        0.3%; Score 15.2; DB 1; Length 2
85.0%; Pred. No. 5.9e+02;
tive 0; Mismatches 3; Indels
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Pred. No. 5.9e+02;
0; Mismatches 3;
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US-10-619-220-177
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CURRENT APPLICATION NUMBER: US/10/619,220
CURRENT FILING DATE: 2003-07-14
PRIOR APPLICATION NUMBER: 09/802,669
FRIOR FILING DATE: 2001-03-01
PRIOR FILING DATE: 2000-09-18
PRIOR PILING DATE: 2000-09-18
PRIOR PILING DATE: 1999-04-12
NUMBER OF SEQ ID NOS: 180
SOFTWARE: PRECENTIN VET: 2.0
SOFTWARE: 200 IT7
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CURRENT FILING DATE: 2003-05-13
PRIOR APPLICATION NUMBER: FR00/14495
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Best Local Similarity 85.0%;
Matches 17; Conservative (
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ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                           TYPE: DNA
ORGANISM: Artificial Sequence
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; OTHER INFORMATION: Primer
; FEMTURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(20)
; OTHER INFORMATION: Sequence FIN-C for the amplification of a region of gene of the
US-10-435-659-15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gequence 37, Application US/10303566
Publication No. US20040101852A1
GENERAL INFORMATION:
APPLICANT: C. Frank Bennett
APPLICANT: Nicholas M. Dean
TITLE OF INVENTION: MODULATION OF CGG TRIPLET REPEAT BINDING PROTEIN 1 EXPRESSION
FILE REFERENCE: HTS-00bje
CURRENT APPLICATION NUMBER: US/10/303,566
CURRENT FILING DATE: 2002-11-21
NUMBER OF SEQ ID NOS: 79
LENGTH: 20
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APPLICANT: C. Frank Bennett
APPLICANT: Nicholas M. Dean
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: MODULATION OF CGG TRIPLET REPEAT BINDING PROTEIN 1 EXPRESSION
FILE REFERENCE: HTS-0068
CURRENT APPLICATION NUMBER: US/10/303,566
CURRENT FILING DATE: 2002-11-21
NUMBER OF EQ ID NOS: 79
SEQ ID NO 70
LENGTH: 20
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0.3%; Score 15.2; DB 1;
Best Local Similarity 85.0%; Pred. No. 5.9e+02;
Matches 17; Conservative 0; Mismatches 3;
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"Sequence 70, Application US/10303566
; Publication No. US20040101852A1
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                   765 CTATAAACAAGAGCTGGAGG 784
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 CTATTAACAAGAGATGGTGG 20
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                     SOFTWARE: Patentin version 3.2
SEQ ID NO 15
LENGTH: 20
                                                                                         TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
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ORGANISM: Artificial Sequence
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  NUMBER OF SEQ ID NOS:
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US-10-303-566-70
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APPLICANT: Clavel, Francois
APPLICANT: Clavel, Francois
APPLICANT: Mammano, Pabrizio
APPLICANT: Race, Esther
APPLICANT: Race, Esther
APPLICANT: Dam, Elisabeth
APPLICANT: MANDAIN: Windinie
TITLE OF INVENTION: Muman immunodeficiency virus (HIV)
FILE REFERENCE: 60240,00005
CURRENT FILING DATE: 2003-05-12
PRIOR APPLICATION NUMBER: PR 00/14495
PRIOR FILING DATE: 2000-11-10
PRIOR FILING DATE: 2000-11-10
PRIOR FILING DATE: 2001-03-23
PRIOR FILING DATE: 2001-03-23
PRIOR FILING DATE: 2001-03-27
                                                                                                                                      ; FEATURE:
; OTHER INFORMATION: Oligonucleotide used as primer for PCR detection of NF-?Bp50 mRNA
US-10-409-107A-49
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Publication No. US20040097448A1

GENERAL INFORMATION:
APPLICANT: Andrew T. Watt
TITLE OF INVENTION: MODULATION OF CD24 EXPRESSION
FILE REFERENCE: RTS-0178

CURRENT APPLICATION NUMBER: US/10/300,236

CURRENT FILING DATE: 2002-11-19

SEQ ID NO 17

LENGTH: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  / Match 0.3%; Score 15.2; DB 1; Local Similarity 85.0%; Pred. No. 5.9e+02; nes 17; Conservative 0; Mismatches 3;
                                                                                                                                                                                                                           Query Match 0.3%; Score 15.2; DB 1; Best Local Similarity 85.0%; Pred. No. 5.9e+02; Matches 17; Conservative 0; Mismatches 3;
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                                                                                                                                                                                                                                                                                                                       1497 GCAGCGTGGCAATGCCTTTC 1516
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 15, Application US/10435659; Publication No. US20040101828A1; GENERAL INFORMATION:
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NUMBER OF SEQ ID NOS: 100
SOFTWARE: Patentin version 3.2
SEQ ID NO 49
LENGTH: 20
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ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Bioalliance Pharma APPLICANT: INSERM
                                                                                              TYPE: DNA ORGANISM: Artificial
                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 732
US-10-300-236-17/c
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Best Local S
Matches 17
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Sequence 153, Application US/10476021

Sequence 153, Application US/10476021

Bublication No. US20040186069A1

GENERAL INFORMATION:

APPLICANT: C. Frank Bennett

APPLICANT: Andrew T. Watt

TILLE OF INVENTION: ANTISENSE MODULATION OF TUMOR NECROSIS FACTOR RECEPTOR 2 EXPRESSIC

TILLE REFRENCE: RTS-0216

CURRENT FILING DATE: 2003-10-24

PRIOR APPLICATION NUMBER: US/10/476,021

CURRENT FILING DATE: 2001-04-27

PRIOR FILING DATE: 2001-04-27

NUMBER OF SEQ ID NOS: 174

SEQ ID NO 153

LENGTH: 20
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; Publication No. US20040214325A1
; GENERAL INFORMATION:
    APPLICANT: Crooke et al.
    TITLE OF INVENTION: ANTISENSE MODULATION OF APOLIPOPROTEIN B EXPRESSION
; FILE REPRENCE: 30566/39662
; CURRENT APPLICATION NUMBER: US/10/712,795
; CURRENT FILING DATE: 2003-11-13
; PRIOR APPLICATION NUMBER: US 6/426,234
; PRIOR APPLICATION NUMBER: PCT/US03/15493
APPLICANT: ROBANNE M. Crooke
APPLICANT: Mark J. Graham
TITLE OF INVENTION: MODULATION OF APOLIPOPROTEIN(A) EXPRESSION
TITLE OF INVENTION: MODULATION OF APOLIPOPROTEIN(A) EXPRESSION
FILE REFERENCE: ISPN.059508.Pl
CURRENT FILING DATE: 2003-10-15
PRIOR APPLICATION NUMBER: 09/923,515
PRIOR PILING DATE: 2001-08-07
PRIOR PILING DATE: 2003-06-02
NUMBER OF SEQ ID NOS: 73
SEQ ID NO 70
LENGTH: 20
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85.0%; Pred. No. 5.9e+02;
tive 0; Mismatches 3;
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                                                                                                                                                                                                                                                                                                                                                                                                              OTHER INFORMATION: Antisense Oligonucleotide US-10-684-440-70
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ; OTHER INFORMATION: Antisense Oligonucleotide US-10-476-021-153
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US-10-476-021-153/c
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Sequence 9. Application WS/10342311
GENERAL INFORMATION:
GENERAL INFORMATION:
TITLE OF INVENTION: Method of Screening for Inhibitors of Phospholipid Synthesis Rela
TITLE OF INVENTION: G1ycollpid-Storage Diseases
FILE REFERENCE: 85189-4200
CURRENT FILING DATE: 2003-01-15
CURRENT PILING DATE: 2003-01-15
NUMBER OF SEQ ID NOS: 12
SOFTWARE: Patentin version 3.1
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US-10-318-389-79

is Sequence 79, Application US/10318389

is Gequence 79, Application US/10318389

is Gequence 79, Application No. US20040121328A1

is GENERAL INFORMATION:

is APPLICANT: C. Frank Bennett

is APPLICANT: Kenneth W. Dobie

is TITLE OF INVENTION: WODDLATION OF PHOSPHODIESTERASE BA EXPRESSION

ITTLE OF INVENTION: WODDLATION OF PHOSPHODIESTERASE BA EXPRESSION

CURRENT APPLICATION UNMBER: US/10/318,389

CURRENT FILING DATE: 2002-12-11

NUMBER OF SEQ ID NOS: 134

: SEQ ID NO 79

: LENGTH: 20
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Query Match 0.3%; Score 15.2; DB 1; Length 20; Best Local Similarity 85.0%; Pred. No. 5.9e+02; Matches 17; Conservative 0; Mismatches 3; Indels
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0.3%; Score 15.2; DB 1;
Best Local Similarity 85.0%; Pred. No. 5.9e+02;
Matches 17; Conservative 0; Mismatches 3;
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0.3%; Score 15.2; DB 1;
Best Local Similarity 85.0%; Pred. No. 5.9e+02;
Matches 17; Conservative 0; Mismatches 3;
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US-10-318-389-79
                                                                                                       4170 TGCAGCTGTTCAGGGCAACA 4189
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       3056 AAGTIGATCTIGITAAAACC 3075
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: DNA
ORGANISM: artificial
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US-10-684-440-70
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LENGTH: 20
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APPLICANT: Ward, Donna T.

APPLICANT: Mard, Donna T.

APPLICANT: Marcusson, Eric G.

APPLICANT: Freier, Susan M.

TITLE OF INVENTION: MODULATION OF HIF1a AND HIF2a EXPRESSION

FILE REFERENCE: 1SPT-1010.

CURRENT APPLICATION NUMBER: US/10/719,370A

CURRENT FILING DATE: 2003-11-21

PRIOR APPLICATION NUMBER: US/10/304,126

PRIOR FILING DATE: 2002-11-23

NUMBER OF SEQ ID NOS: 458

SOFTWARE: Patentin Version 3.2

LENGTH: 20
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Sequence 374, Application US/10719370A

PUDIJCALON NO. US20040220393A1

GENERAL INFORMATION:

APPLICANT: Ward, Donna T.

APPLICANT: Marcuscon, Eric G.

APPLICANT: Freier, Susan M.

TITLE OF INVENTION: MODULATION OF HIFLA AND HIF2A EXPRESSION

TITLE OF INVENTION: MODULATION OF HIFLA AND HIF2A EXPRESSION

CURRENT APPLICATION NUMBER: US/10/719,370A

CURRENT APPLICATION NUMBER: US 10/304,126

PRIOR FILING DATE: 2003-11-23

NUMBER OF SEQ ID NOS: 458

SEQ ID NO 374

LENGTH: 20
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                             Indels
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    Best Local Similarity 85.0%; Pred. No. 5.9e+02; Matches 17; Conservative 0; Mismatches 3;
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                                                                                                                                                                                                                                    Sequence 262, Application US/10719370A; Publication No. US20040220393A1; GENERAL INFORMATION:
                                                                         3999 CACTTCCTTTGCTGGACA 4018
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US-10-712-795-639

Sequence 639, Application US/10712795

Publication No. US20040214325A1

GENERAL INFORMATION:
APPLICANT: Crooke et al.
TITLE OF INVENTION: ANTISENSE MODULATION OF APOLIPOPROTEIN B EXPRESSION
FILE REFERENCE: 30566/39662

CURRENT PILING DATE: 2003-11-13

PRIOR APPLICATION NUMBER: US 60/426,234

PRIOR PILING DATE: 2002-11-13

PRIOR FILING DATE: 2003-05-13

NUMBER OF SEQ ID NOS: 892

LENGTH: 20
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US-10-712-795-859

US-10-712-795-859

Sequence 859, Application US/10712795

Publication No. US20040214325A1

GENERAL INFORMATION:

TITLE OF INVENTION: ANTISENSE MODULATION OF APOLIPOPROTEIN B EXPRESSION

FILE REFERENCE: 30566/39662

CURRENT FILING DATE: 2003-11-13

PRIOR PILICATION NUMBER: US 60/426,234

PRIOR PELICATION NUMBER: DC7/US03/15493

PRIOR PILING DATE: 2003-05-13

PRIOR FILING DATE: 2003-05-13

NUMBER OF SEQ ID NOS: 892

LENGTH: 20
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85.0%; Pred. No. 5.9e+02;
ive 0; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                     3; Indels
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0.3%; Score 15.2; DB 1;
Best Local Similarity 85.0%; Pred. No. 5.9e+02;
Matches 17; Conservative 0; Mismatches 3;
                                                                                                                                                             ; OTHER INFORMATION: Antisense Oligonucleotide US-10-712-795-273
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                                                                                          TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
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PRIOR FILING DATE: 2003-05-13
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Best Local Similarity 85.0
Matches 17; Conservative
                   NUMBER OF SEQ ID NOS: 892
SEQ ID NO 273
LENGTH: 20
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CORGANISM: H. sapiens
US-10-712-795-639
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0.3%; Score 15.2; DB 1; Length 20;

Query Match

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Sequence 273, Application US/10920612

Publication No. US2005000908A1

GENERAL INFORMATION:

APPLICANT: Crooke al.

TITLE OF INVENTION: ANTISENSE MODULATION OF APOLIPOPROTEIN B EXPRESSION

FILE REFERENCE: 30566/39634A

CURRENT APPLICATION NUMBER: US/10/920,612

CURRENT PELICATION NUMBER: PCT/US03/15493

PRIOR FILING DATE: 2003-11-15

PRIOR PPLICATION NUMBER: US 10/712,795

PRIOR PPLICATION NUMBER: US 60/426,234

PRIOR PLIING DATE: 2003-11-13

PRIOR PLIING DATE: 2003-11-13

SRIOR PLIING DATE: 2003-11-13

SRIOR PLIING DATE: 2003-11-13

SRIOR PLIING DATE: 2003-11-13

SRQ ID NO 273

LENGTH: 20
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Sequence 639, Application US/10920612
GENEDICACION NO. US20050009088A1
GENERAL INFORMATION: US20050009088A1
APPLICANT: Crooke et al.
TITLE OF INVENTION: ANTISENSE MODULATION OF APOLIPOPROTEIN B EXPRESSION
TITLE OF INVENTION: US/10/39634A
CURRENT APPLICATION NUMBER: US/10/920,612
CURRENT FILING DATE: 2004-08-17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
0.3%; Score 15.2; DB 1; Length 20;
Best Local Similarity 85.0%; Pred. No. 5.9e+02;
Matches 17; Conservative 0; Mismatches 3. Thanh
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TITLE OF INVENTION: NUCLEIC ACIDS ISOLATED IN NEUROBLASTOMA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ; OTHER INFORMATION: Antisense Oligonucleotide US-10-920-612-273
                  FILE REFERENCE: 7388-80899
CURRENT APPLICATION NUMBER: US/10/478,914
CURRENT FILING DATE: 2003-11-26
FRIOR APPLICATION NUMBER: PCT/JP02/05294
PRIOR FILING DATE: 2001-05-30
PRIOR FILING DATE: 2001-05-30
PRIOR FILING DATE: 2001-05-30
PRIOR FILING DATE: 2001-05-30
PRIOR FILING DATE: 2001-06-34
NUMBER OF SEQ ID NOS: 417
SOFTWARE: Patentin version 3.2
SEQ ID NO 102
LENGTH: 20
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                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: DNA ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ORGANISM: Artificial Sequence
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US-10-920-612-273/c
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US-10-831-778-431/C

Sequence 431, Application US/10831778

Publication No. US20040235774A1

GENERAL INFORMATION:
APPLICANT: Bratzler, Robert L.
APPLICANT: Petersen, Deanna M.
APPLICANT: Pouron, Yves

ITILE OF INVENTION: Immunostimulatory Nucleic Acids for the
ITILE OF INVENTION: Immunostimulatory Nucleic Acids for the
ITILE OF INVENTION: Teament of Abthma and Allergy
FILE REFERENCE: C10377013 (HCL/MAT);
CURRENT APPLICATION NUMBER: US/10/831,778

CURRENT PILING DATE: 2004-04-23

FRIOR FILING DATE: 2000-02-03

NUMBER OF SEQ ID NOS: 1093

SEQ ID NO 431

LENGTH: 20
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                                                                  Sequence 3, Application US/10839202

Publication No. US20040224342A1

GENERAL INFORMATION

APPLICANT: OCNATON;

APPLICANT: OCNATON;

TITLE OF INVENTION: METHOD OF DETECTING MICROMETASTASIS

TITLE OF INVENTION: METHOD OF DETECTING MICROMETASTASIS

TITLE PREBENCE: 25.254104

CURRENT APPLICATION NUMBER: US/10/839,202

CURRENT FILING DATE: 2004-05-06

PRIOR PILING DATE: 2003-05-07

NUMBER OF SEQ ID NOS: 23

SOFTWARE: PATENTIN VERSION 3.2

LENGTH: 20
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US-10-478-914-102/c
Sequence 102, Application US/10478914
; Publication No. US20040265812A1
; GENERAL INFORMATION:
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ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ORGANISM: Artificial Sequence
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                                                US-10-839-202-3/c
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US-10-639-300-65
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UG-210-920-612-859

Sequence 859, Application US/10920612

Publication No. US20050009088A1

GENERAL INFORMATION:

TITLE OF INVENTION: ANTISENSE MODULATION OF APOLIPOPROTEIN B EXPRESSION

TITLE OF INVENTION: ANTISENSE MODULATION OF APOLIPOPROTEIN B EXPRESSION

TITLE OF INVENTION: ANTISENSE POST/803/15493

FILE REFERENCE: 30566/39634A

CURRENT PILING DATE: 2003-11-15

PRIOR APPLICATION NUMBER: PCT/US03/15493

PRIOR APPLICATION NUMBER: US 10/712,795

PRIOR PELING DATE: 2003-11-13

PRIOR PLILING DATE: 2003-11-13

NUMBER OF SEQ ID NOS: 892

SEQ ID NO 859

LENGTH: 20
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; Bublication No. US20050014257A1
; GENERAL INFORMATION:
   APPLICANT: Rosanne M. Crooke
; APPLICANT: Rosanne M. Crooke
; APPLICANT: ROSANNE NOULATION OF C-REACTIVE PROTEIN EXPRESSION
   TITLE OF INTENTION: MODULATION OF C-REACTIVE PROTEIN EXPRESSION
; FILE REFERENCE: BIOLO0140 WORDER: US/10/858,500
   CURRENT FILING DATE: 2004-06-01
; PRIOR APPLICATION NUMBER: US 60/475,272
; PRIOR PILING DATE: 2001-07-25
; PRIOR PILING DATE: 2003-06-01
; PRIOR FILING DATE: 2003-06-06
; PRIOR FILING DATE: 2003-06-02
; PRIOR FILING DATE: 2003-06-02
; PRIOR FILING DATE: 2003-06-02
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0.3%; Score 15.2; DB 1;
Best Local Similarity 85.0%; Pred. No. 5.9e+02;
Matches 17; Conservative 0; Mismatches 3;
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0.3%; Score 15.2; DB 1;
Best Local Similarity 85.0%; Pred. No. 5.9e+02;
Matches 17; Conservative 0; Mismatches 3;
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PRIOR APPLICATION NUMBER: PCT/US03/15493
PRIOR FILING DATE: 2003-11-15
PRIOR APPLICATION NUMBER: US 10/712,795
PRIOR PILING DATE: 2003-11-13
PRIOR APPLICATION NUMBER: US 60/426,234
PRIOR APPLICATION NUMBER: US 60/426,234
NUMBER OF SEQ ID NOS: 892
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                                                                                                                                                                                                                                      ; TYPE: DNA; ORGANISM: H. sapiens
US-10-920-612-639
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US-10-858-500-597
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Sequence 29, Application US/10639300

Sequence 29, Application US/10639300

Publication No. US20050026857A1

GENERAL INFORMATION:
APPLICANT: Vickie L. Brown-Driver
APPLICANT: Vickie L. Brown-Driver
APPLICANT: Vickie L. Brown-Driver
CURRENT OF INVENTION: ANTISENSE MODULATION OF BREAST CANCER-1 EXPRESSION
CURRENT APPLICATION NUMBER: US/10/639,300

CURRENT PILING DATE: 2002-09-12

PRIOR APPLICATION NUMBER: US/10/199,676

PRIOR PRING DATE: 2002-07-18

NUMBER OF SEQ ID NOS: 84

SEQ ID NO 29

LENGTH: 20
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US-10-639-300-65/c
| US-10-639-300-65/c
| Sequence 65, Application US/10639300
| Publication No. US20050026857A1
| GENERAL INFORMATION:
| APPLICANT: Vickie L. Brown-Driver
| APPLICANT: Kenneth W. Dobie
| TITLE OF INVENTION: ANTISENSE MODULATION OF BREAST CANCER-1 EXPRESSION
| TITLE OF INVENTION: UNMER: US/10/639,300
| CURRENT APPLICATION NUMBER: US/10/639,300
| CURRENT FILING DATE: 2003-08-12
| PRIOR FILING DATE: 2003-07-18
| NUMBER OF SEQ ID NOS: 84
| SEQ ID NO 656
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85.0%; Pred. No. 5.9e+02;
tive 0; Mismatches 3; Indels
                                                                                                                                                                                                     Length 20;
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0.3%; Score 15.2; DB 1;
Best Local Similarity 85.0%; Pred. No. 5.9e+02;
Matches 17; Conservative 0; Mismatches 3;
                                                                                                                                                                                                     Query Match
0.3%; Score 15.2; DB 1;
Best Local Similarity 85.0%; Pred. No. 5.9e+02;
Matches 17; Conservative 0; Mismatches 3;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ; OTHER INFORMATION: Antisense Oligonucleotide US-10-639-300-29
                                                                                                                         OTHER INFORMATION: Antisense Oligonucleotide US-10-858-500-597
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                                                                      TYPE: DNA
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity 85.0°
Matches 17; Conservative
NUMBER OF SEQ ID NOS: 627
SEQ ID NO 597
LENGTH: 20
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ORGANISM: H. sapiens
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Sequence 396, Application US/10773678

Sequence 396, Application US/10773678

Publication No. US20050074879A1

GENERAL INFORMATION:
TITLE OF INVENTION: Expression
TITLE OF INVENTION: Expression
FILE REFERENCE: ISPH-0828

CURRENT APPLICATION UNMER: US/10/773,678

CURRENT FILING DATE: 2004-02-06

PRIOR APPLICATION NUMBER: 10/713,139

PRIOR FILING DATE: 2001-01-11

PRIOR FILING DATE: 2001-01-11

PRIOR FILING DATE: 2000-04-06

PRIOR FILING DATE: 1999-04-08

PRIOR FILING DATE: 1999-04-08

NUMBER: OF SEQ ID NOS: 402

SEQ ID NO 396

LENGTH: 200

LENGTH: 200
GENERAL INFOGRATION.

APPLICANT NAKAGAWARA, AKIRA
TITLE OF INVENTION: NUCLEIC ACIDS ISOLATED FROM NEUROBLASTOMA
TITLE OF INVENTION: NUCLEIC ACIDS ISOLATED FROM NEUROBLASTOMA
FILE REFERENCE: 7388-80893
CURRENT FILING DATE: 2003-311-26
PRIOR FILING DATE: 2003-311-26
PRIOR PLICATION NUMBER: DC2/JP02/05295
PRIOR PLICATION NUMBER: JP 2001-163666
PRIOR PLICATION NUMBER: JP 2001-255260
PRIOR FILING DATE: 2001-06-31
PRIOR FILING DATE: 2001-08-24
NUMBER OF SEQ ID NOS: 742
SOFTWARE: Patentin version 3.2
SOFTWARE: Patentin version 3.2
LENGTH: 20
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Pred. No. 5.9e+02;
0; Mismatches 3;
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0.3%; Score 15.2; DB 1;
Best Local Similarity 85.0%; Pred. No. 5.9e+02;
Matches 17; Conservative 0; Mismatches 3;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 crcrracrerecreredaca 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                20 ICTCTGAATTACACCGTTCT 1
                                                                                                                                                                                                                                                                                                                                                                                                  ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity 85.0%;
Matches 17; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: DNA ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                               ) OTHER INFORMATION: Primer US-10-479-081-399
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RESULT 757
US-10-991-147-81
                                                                                                                                                                                                                                                                                                                                                                                                                           FEATURE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                            CORRESPONDENCE ADDRESS:
ADDRESSEE: Records Manager, Legal Department, Hewlett-Packard
Company M/S 20BO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0; . Gaps
                                                                                                                                                                        Sequence 549, Application US/10877231
| Publication No. US20050027461A1
| GENERAL INFORMATION:
| Molber, Paul K. |
| Molber, Paul K. |
| Webb. Peter G. |
| Kincaid, Robert H. |
| TITLE OF INVENTION: Methods for evaluating oligonucleotide probable sequences |
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0.3%; Score 15.2; DB 1; Length 20;
85.0%; Pred. No. 5.9e+02;
tive 0; Mismatches 3; Indel8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        MEDIUM TYPE: Ploppy disk
COMPUTER: IBM PC compatible
OMPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/877,231
FILING DATE: 24-Un-2004
CLASSIFLATION: NOT available
PRIOR APPLICATION NOT available
PRIOR APPLICATION NUMBER: US/09/784,674
FILING DATE: 15-P6-2001
APPLICATION NUMBER: 09/021,701
FILING DATE: 10-FEB-1998
ATTORNEY AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NAME: Choi, Wendy A.
REGISTRATION NUMBER: 36,697
REFERENCE/DOCKET NUMBER: 10971464-1
TELECOMMUNICATION INFORMATION:
TELEPAIS 650-82-8063
INFORMATION FOR SEQ ID NO: 549:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ANTI-SENSE: NO
SEQUENCE DESCRIPTION: SEQ ID NO: 549:
US-10-877-231-549
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  STREET: 3000 Hanover Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        3311 AAAATAAAAACCAGTAATA 3330
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                 853 GAGAAAGCAGCTATGCTCTT 872
                                                           20 GGGAAACCAGCTATTCTCTT 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: nucleic acid
STRANDEDNESS: single
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COMPUTER READABLE FORM:
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Best Local Similarity 85.0°
Matches 17; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CITY: Palo Alto
STATE: CA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COUNTRY: USA
                                                                                                                                                       -10-877-231-549/c
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US-10-479-081-399/c
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2375 GIGITGCTGCCTATGTTGGC 2394
Kristin Sannes
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                            Swayze, Eric
Baker, Brenda F.
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Sequence 138, Application US/10991147

Publication No. US200509522A1

GENERAL INFORMATION:

APPLICANT: SHEAR No. Exciser

APPLICANT: Reneth W. Dobie

APPLICANT: Erich Koller

TITLE OF INVENTION: NOTCH1 INHIBITORS FOR INDUCING APOPTOSIS

FILE REPERENCE: ISPH-0729

CURRENT APPLICATION NUMBER: US/10/991,147

CURRENT FILING DATE: 2004-11-17

PRIOR PAPLICATION NUMBER: 10/160,497

PRIOR APPLICATION NUMBER: 10/160,497

PRIOR APPLICATION NUMBER: 10/160,497

NUMBER OF SEQ ID NOS: 146

SEQ ID NO 138

LENGTH: 20
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                               | APPLICANT: Kenneth W. Dobie
| APPLICANT: Kenneth W. Dobie
| APPLICANT: Kenneth W. Dobie
| APPLICANT: Exelor Koller
| TITLE OF INVENTION: NOTCHI INHIBITORS FOR INDUCING APOPTOSIS
| TITLE OF INVENTION: NOTCHI INHIBITORS FOR INDUCING APOPTOSIS
| FILE REFERENCE: ISPH-0729
| CURRENT APPLICATION NUMBER: US/10/991,147
| PRIOR PILING DATE: 2003-01-21
| PRIOR FILING DATE: 2003-01-21
| PRIOR FILING DATE: 2003-01-20
| PRIOR FILING DATE: 2002-02-20
| NUMBER OF SEQ ID NOS: 146
| SEQ ID NO 81
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match 0.3%; Score 15.2; DB 1; Length 20; Best Local Similarity 85.0%; Pred. No. 5.9e+02; Matches 17; Conservative 0; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                        ; OTHER INFORMATION: Antisense Oligonucleotide
US-10-991-147-81
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publication No. US20050100885A1
GENERAL INFORMATION:
APPLICANT: Crooke, Stanley T.
APPLICANT: Sampath, Rangarajan
APPLICANT: Preier, Susan M.
APPLICANT: Massire, Christian
APPLICANT: Massire, Christian
APPLICANT: Hofstadler, Steven A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      47 TGCTGGGCTGCAGCTG 66
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ORGANISM: Artificial Sequence
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US-10-991-147-138
                  GENERAL INFORMATION:
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US-10-991-147-138/c
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REBUIT 760
US-10-831-901A-1495/c
Sequence 1455, Application US/10831901A
FBEDLICATION NO. US20050100885A1
GENERAL INFORMATION:
APPLICANT: Crooke, Stanley T.
APPLICANT: Ecker, David J.
APPLICANT: Ecker, David J.
APPLICANT: Freier, Susan M.
APPLICANT: Hofstadler, Steven A.
APPLICANT: Hofstadler, Steven A.
APPLICANT: Baker, Eristin Sannes
APPLICANT: Baker, Steven A.
APPLICANT: Steven A.
A
APPLICANT: Beanest, Learda F.
APPLICANT: Beanest, C. Frank,
TITLE OF INVENTION: Compositions And Methods For The Treatment Of Severe
TITLE OF INVENTION: Acute Respiratory Syndrome (SARS)
FILE REFERENCE: ISISO083-100 (BIOLOGO08US)
CURRENT APPLICATION NUMBER: US/10/831,901A
CURRENT FILING DATE: 2004-04-26
PRIOR PELING DATE: 2003-04-28
PRIOR PELING DATE: 2003-04-28
PRIOR PILING DATE: 2003-05-06
PRIOR PELING DATE: 2003-05-06
PRIOR PELING DATE: 2003-06-06
PRIOR PELING DATE: 2003-04-30
PRIOR PELING DATE: 2003-04-30
PRIOR PILING DATE: 2003-06-06
PRIOR PELING DATE: 2003-06-06
PRIOR PELING DATE: 2003-06-10
PRIOR APPLICATION NUMBER: 60/483,579
PRIOR PILING DATE: 2003-06-27
NUMBER OF SEQ ID NOS: 3006-3
SOFTWARE: PSECSE FOR WINGOWS VETSION 4.0
SEQ ID NO 1494
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CTHER INFORMATION: Antisense compound US-10-831-901A-1494
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APPLICANT: ECKET, David J.
APPLICANT: ECKET, David J.
APPLICANT: ECKET, David J.
APPLICANT: Ereler, Susan M.
APPLICANT: Frefer, Susan M.
APPLICANT: Hofstadler, Steven A.
APPLICANT: Hofstadler, Steven A.
APPLICANT: Baker, Erical Sannes
APPLICANT: Baker, Erical Sannes
APPLICANT: Baker, Brenda F.
APPLICANT: Bennett. C. Frank
ITILE OF INVENTION: Compositions And Methods For The Treatment Of Severe
ITILE OF INVENTION: Compositions And Methods For The Treatment Of Severe
ITILE OF INVENTION: Acute Respiratory Syndrome (SARS)
FILE REPRENCE: ISISO083-100 (BIOL00081S)
CURRENT APPLICATION NUMBER: 60/466,426
PRIOR APPLICATION NUMBER: 60/466,562
PRIOR APPLICATION NUMBER: 60/468,562
PRIOR PILING DATE: 2003-04-30
PRIOR PILING DATE: 2003-04-30
PRIOR APPLICATION NUMBER: 60/469,627
PRIOR APPLICATION NUMBER: 60/477,637
PRIOR APPLICATION NUMBER: 60/477,637
PRIOR APPLICATION NUMBER: 60/477,637
PRIOR PILING DATE: 2003-06-10
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                                                                                                                                                                                                                                                                                                 Query Match 0.3%; Score 15.2; DB 1; Length 20; Best Local Similarity 85.0%; Pred. No. 5.9e+02; Matches 17; Conservative 0; Mismatches 3; Indels
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SOFTWARE: FastSEQ for Windows Version 4.0 SEQ ID NO 1495
LENGTH: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 1496, Application US/10831901A
Publication No. US20050100865A1
GENERAL INFORMATION:
APPLICANT: Crooke, Stanley T.
APPLICANT: Sampath, Rangarajan
APPLICANT: Sampath, Rangarajan
APPLICANT: Hofstadler, Steven A.
APPLICANT: Hofstadler, Steven A.
APPLICANT: Lowery, Kristin Sannes
APPLICANT: Samyarajan
APPLICANT: Samyarajan
APPLICANT: Baker, Brienda F.
                                                                                                                                                                                               ) OTHER INFORMATION: Antisense compound US-10-831-901A-1495
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ; OTHER INFORMATION: Antisense compound US-10-831-901A-1496
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; Publication No. US20050100885A1
                                                                                                                                                                                                                                                                                                                                                                                                                                         2376 TGTTGCTGCCTATGTTGGCT 2395
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                                                                                                 TYPE: DNA
ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RESULT 761
US-10-831-901A-1496/c
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US-10-831-901A-1501/c
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LENGTH: 20
                                                                                                                                                                   FEATURE:
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APPLICANN: Sumpart, ransystat...
APPLICANT: Bampart, Christian
APPLICANT: Massire, Christian
APPLICANT: Massire, Christian
APPLICANT: Hofstadler, Steven A.
APPLICANT: Lowery Kristin Sannes
APPLICANT: Baker, Brenda F.
APPLICANT: Baker, Stenda R.
APPLICANT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Baker, Brenda F.

PEDLICANT: Bennett, C. Frank
TITLE OF INVENTION: Compositions And Methods For The Treatment Of Severe
TITLE OF INVENTION: Acute Respiratory Syndrome (SARS)
TITLE OF INVENTION: Acute Respiratory Syndrome (SARS)
CURRENT APPLICATION NUMBER: US/10/831,901A
CURRENT FILING DATE: 2004-04-26
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gape
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0.3%; Score 15.2; DB 1;
Best Local Similarity 85.0%; Pred. No. 5.9e+02;
Matches 17; Conservative 0; Mismatches 3;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ; OTHER INFORMATION: Antisense compound US-10-831-901A-1501
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CURRENT FILING DATE: 2004-04-26
PRIOR PAPLICATION NUMBER: 60/466,426
PRIOR FILING DATE: 2003-04-28
PRIOR APPLICATION NUMBER: 60/468,562
PRIOR PILING DATE: 2003-05-06
PRIOR APPLICATION NUMBER: 60/467,770
PRIOR FILING DATE: 2003-04-30
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APPLICANT: Ecker, David J.
APPLICANT: Sampath, Rangarajan
APPLICANT: Freier, Susan M.
APPLICANT: Hofstadier, Steven A.
APPLICANT: Hofstadier, Steven A.
APPLICANT: Lowery, Kristin Sannes
APPLICANT: Swayze, Eric
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        2382 TGCCTATGTTGGCTGGCAAA 2401
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Crooke, Stanley T.
Ecker, David J.
Sampath, Rangarajan
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ORGANISM: Artificial Sequence
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BESULT '604A-3732/C

Sequence 3732 Application US/10831901A

Publication No. US20050100885A1

GENERAL INCORMATION:
APPLICANT: Sampath, Bandarajan
APPLICANT: Excer, David J.
APPLICANT: Bangatajan
APPLICANT: Bangatajan
APPLICANT: Massire. Christian
APPLICANT: Massire. Christian
APPLICANT: Bangatajan
APPLICANTION: Compositions And Methods For The Treatment Of Severe
TITLE OF INVENTION: Acute Respiratory Syndrome (SARS)
FILE REFERENCE: ISIGOGOS-1-DO (BIOLOGOGUS)
CURRENT FILING DATE: 2003-01-26
FRIOR APPLICATION NUMBER: 60/466,426
FRIOR APPLICATION NUMBER: 60/466,527
FRIOR APPLICATION NUMBER: 60/466,627
FRIOR APPLICATION NUMBER: 60/466,627
FRIOR APPLICATION NUMBER: 60/468,579
FRIOR PILING DATE: 2003-06-06
FRIOR PILING DATE: 2003-06-07
FRIOR APPLICATION NUMBER: 60/463,579
FRIOR PILING DATE: 2003-06-07
FRIOR APPLICATION NUMBER: 60/463,579
FRIOR PILING DATE: 2003-06-07
FRIOR PILING DATE: 2003-06-07
FRIOR APPLICATION NUMBER: 60/483,579
FRIOR PILING DATE: 2003-06-07
FRIOR FILING DATE: 2003-06-07
FRIOR PILING DATE: 2003-06
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0.3%; Score 15.2; DB 1; Length 20;
Best Local Similarity 85.0%; Pred. No. 5.9e+02;
Matches 17; Conservative 0; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match 0.3%; Score 15.2; DB 1; Length 20; Best Local Similarity 85.0%; Pred. No. 5.9e+02; Matches 17; Conservative 0; Mismatches 3; Indels
PRIOR APPLICATION NUMBER: 60/468,627
PRIOR FILING DATE: 2003-05-06
PRIOR APPLICATION NUMBER: 60/477,637
PRIOR PILING DATE: 2003-06-10
PRIOR PILING DATE: 2003-06-10
PRIOR FILING DATE: 2003-06-27
NUMBER OF SEQ ID NOS: 30063
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 3731
LENGTH: 20
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ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: DNA ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-10-831-901A-3731
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2459 TCATTGTGAAAGCTCTTTAT 2478

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APPLICANT: Ecker, David J.
APPLICANT: Ecker, David J.
APPLICANT: Ecker, David J.
APPLICANT: Sampath, Rangarajan
APPLICANT: Freier, Susan M.
APPLICANT: Massire, Christian
APPLICANT: Hofstadler, Steven A.
APPLICANT: Hofstadler, Steven A.
APPLICANT: Lowery, Kristin Sannes
APPLICANT: Baker, Brica
APPLICANT: Baker, Eric
APPLICANT: Baker, C. Frain
APPLICANT: Baker, C. Frain
APPLICANT: Bennet, Bennet, C. Frain
APPLICANT: Bennet, 
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                                                     Length 20;
                                                                                                                              Indels
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                                                Query Match
0.3%; Score 15.2; DB 1;
Best Local Similarity 85.0%; Pred. No. 5.9e+02;
Matches 17; Conservative 0; Mismatches 3;
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0.3%; Score 15.2; DB 1;
Best Local Similarity 85.0%; Pred, No. 5.9e+02;
Matches 17; Conservative 0; Mismatches 3;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      FRIOR FILING DATE: 2003-04-28

PRIOR FILING DATE: 2003-04-28

PRIOR PILING DATE: 2003-05-06

PRIOR APPLICATION NUMBER: 60/468,562

PRIOR PILING DATE: 2003-04-30

PRIOR PILING DATE: 2003-04-30

PRIOR PILING DATE: 2003-05-06

PRIOR PILING DATE: 2003-05-06

PRIOR FILING DATE: 2003-06-10

PRIOR FILING DATE: 2003-06-10

PRIOR FILING DATE: 2003-06-17

NUMBER OF SEQ ID NOS: 30063

SOFTWARE: PASESEQ for Windows Version 4.0

SERIOR IN 015730
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Publication No. US20050100885A1
GENERAL INFORMATION:
APPLICANT: Crooke, Stanley T.
APPLICANT: Sampath, Rangarajan
APPLICANT: Prejer, Susan M.
                                                                                                                                                                                                                                                                                                                                                                                                                                        US-10-831-901A-15730/c; Sequence 15730, Application US/10831901A; Sequence 15730, Application No. US20050100885A1; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ; OTHER INFORMATION: Antisense compound US-10-831-901A-15730
                                                                                                                                                                                                           2994 TCTTCATGATAGTAGTCAGA 3013
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Hofstadler, Steven A.
Lowery, Kristin Sannes
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               20 CTTTATTATCAAATAATGT 1
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US-10-831-901A-20883/c
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APPLICANT: Ecker, David J.
APPLICANT: Ecker, David J.
APPLICANT: Ecker, David J.
APPLICANT: Freier, Susan M.
APPLICANT: Freier, Susan M.
APPLICANT: Hofstadler, Steven A.
APPLICANT: Wayze, Eric
APPLICANT: Swayze, Eric
APPLICANT: Baker, Brenda F.
APPLICANT: Baker, Brenda F.
APPLICANT: Baker, C. Frank
APPLICANT: Baker, Steven A.
APPLICANT: Baker, Steven A.
APPLICANT: Baker, Steven A.
APPLICANT: Baker, Steven B.
APPLICANT: Compositions And Methods For The Treatment Of Severe
TITLE OF INVENTION: Acute Respiratory Syndrome (SARS)
TURRENT APPLICATION NUMBER: US/10/831,901A
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                                                                 PRIOR FILING DATE: 2003-04-28

PRIOR PLING DATE: 2003-04-28

PRIOR PLING DATE: 2003-05-06

PRIOR PLING DATE: 2003-05-06

PRIOR APPLICATION NUMBER: 60/468,527

PRIOR PILING DATE: 2003-04-30

PRIOR PILING DATE: 2003-05-06

PRIOR PILING DATE: 2003-05-06

PRIOR FILING DATE: 2003-05-06

PRIOR FILING DATE: 2003-06-10

PRIOR FILING DATE: 2003-06-10

PRIOR FILING DATE: 2003-06-10

PRIOR PILING DATE: 2003-06-17

SOFTWARE: PRESEQ FOR WINDOWS VERSION 4.0

SERICTH: 20
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SOFTWARE: FastSEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 13606, Application US/10831901A; Publication No. US20050100885A1; GENERAL INFORMATION:
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PRIOR FILING DATE: 2003-04-28
PRIOR FILING DATE: 2003-06-06
PRIOR FILING DATE: 2003-05-06
PRIOR APPLICATION NUMBER: 60/467,770
PRIOR APPLICATION NUMBER: 60/46,627
PRIOR APPLICATION NUMBER: 60/46,627
PRIOR APPLICATION NUMBER: 60/477,637
PRIOR APPLICATION NUMBER: 60/477,637
PRIOR APPLICATION NUMBER: 60/477,637
PRIOR APPLICATION NUMBER: 60/483,579
PRIOR PILING DATE: 2003-06-10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ; OTHER INFORMATION: Antisense compound US-10-831-901A-5057
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US-10-831-901A-13606
NT FILING DATE: 2004-04-26
APPLICATION NUMBER: 60/466,426
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ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
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LENGTH: 20
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Gape

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Indels

0; Mismatches

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0.3%; Score 15.2; DB 1; Length 20;
85.0%; Pred. No. 5.9e+02;
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Best Local Similarity 85.03
Matches 17; Conservative
                                                                                      TYPE: DNA ORGANISM: Artificial
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                                                                                                                                                                                                                                                           US-10-831-901A-21489
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US-10-831-901A-22366
SEQ ID NO 21489
                                                                                                                                                                         FEATURE:
                                             LENGTH:
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| GENERAL INFORMATION:
| APPLICANT: Crooke, Stanley T. |
| APPLICANT: Ecker, David J. |
| APPLICANT: Ecker, David J. |
| APPLICANT: Ereier, Susan M. |
| APPLICANT: Freier, Susan M. |
| APPLICANT: Freier, Susan M. |
| APPLICANT: Massire, Christian |
| APPLICANT: Howery Kristian Sannes |
| APPLICANT: Lowery Kristian Sannes |
| APPLICANT: Lowery Kristian Sannes |
| APPLICANT: Banker, Eric |
| APPLICANT: Banker, Strand |
| TITLE OF INVENTION: Compositions And Methods For The Treatment Of Severe |
| TITLE OF INVENTION: Compositions And Methods For The Treatment |
| TITLE OF INVENTION: Compositions And Methods For The Treatment |
| TITLE OF INVENTION NUMBER: 60/466,426 |
| FILING DATE: 2003-04-26 |
| PRIOR FILING DATE: 2003-04-26 |
| PRIOR FILING DATE: 2003-04-30 |
| PRIOR FILING DATE: 2003-04-30 |
| PRIOR FILING DATE: 2003-04-30 |
| PRIOR FILING DATE: 2003-06-10 |
| PRIOR FILING DATE: 2003-06-27 |
|
                  APPLICANT: Baker, Brenda F.
APPLICANT: Baker, Brenda F.
APPLICANT: Banett, C. Frank
TITLE OF INVENTION: Compositions And Methods For The Treatment Of Severe
TITLE OF INVENTION: Acute Respiratory Syndrome (SARS)
FILE REFERENCE: ISISO083-100 (BIOL0008US)
CURRENT APPLICATION NUMBER: US/10/831,901A
CURRENT APPLICATION NUMBER: 60/466,426
PRIOR APPLICATION NUMBER: 60/466,562
PRIOR APPLICATION NUMBER: 60/468,562
PRIOR APPLICATION NUMBER: 60/468,627
PRIOR PILING DATE: 2003-06-06
PRIOR PILING DATE: 2003-06-06
PRIOR PILING DATE: 2003-06-06
PRIOR PILING DATE: 2003-06-06
PRIOR PILING DATE: 2003-06-10
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NUMBER OF SEQ ID NOS: 30063
SOFTWARE: FastSEQ for Windows Version 4.0
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; OTHER INFORMATION: Antisense compound US-10-831-901A-20883
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    627 TICAGATATICATGACTITG 646
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       20 rrcagarcrraargacrrcg 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: DNA
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SEQ ID NO 20883
LENGTH: 20
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APPLICANT: Crooke, Stanley T.
APPLICANT: Ecker, David J.
APPLICANT: Ecker, David J.
APPLICANT: Freier, Susan M.
APPLICANT: Freier, Susan M.
APPLICANT: Freier, Steven A.
APPLICANT: Massire, Christian
APPLICANT: Lowery, Kristin Sannes
APPLICANT: Swayze, Eric
APPLICANT: Swayze, Eric
APPLICANT: Banet, C. Frank
TITLE OF INVENTION: Compositions And Methods For The Treatment Of Severe
TITLE OF INVENTION: Acute Respiratory Syndrome (SARS)
FILE REFERENCE: ISISO083-100 (BIOLO008US)
CURRENT APPLICATION NUMBER: US/10/831,901A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ö
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CUNKENT FILING DATE: 2004-04-26

PRIOR APPLICATION NUMBER: 60/466,426

PRIOR FILING DATE: 2003-04-28

PRIOR FILING DATE: 2003-06-26

PRIOR FILING DATE: 2003-06-50

PRIOR FILING DATE: 2003-06-70

PRIOR PLING DATE: 2003-06-70

PRIOR PLING DATE: 2003-06-70

PRIOR PLING DATE: 2003-06-10

PRIOR FILING DATE: 2003-06-27

NUMBER: 0/483,579

PRIOR FILING DATE: 2003-06-27

NUMBER: PAREST DESTING DATE: 2003-06-27

NUMBER: PAREST DATE: 2003-06-27

NUMBER: PAREST DESTING DATE: 2003-06-27
                                                                                                                                                                                                     Sequence 21493, Application US/10831901A Publication No. US20050100885A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ; Sequence 22366, Application US/10831901A; Publication No. US20050100885A1
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20 AACGAACATGTTTATTTTTT 1
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GENERAL INFORMATION:
APPLICANT: CCROKE, Stanley T.
APPLICANT: Ecker, David J.
APPLICANT: Ecker, David J.
APPLICANT: Ecker, David J.
APPLICANT: Ecker, David J.
APPLICANT: Freier, Sugan M.
APPLICANT: Massire, Christian
APPLICANT: Massire, Christian
APPLICANT: Baker, Brenda F.
APPLICANT: Baker, Brenda F.
APPLICANT: Baker, Brenda F.
APPLICANT: Swayze, Eric
APPLICANT: 
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0.3%; Score 15.2; DB 1;
Best Local Similarity 85.0%; Pred. No. 5.9e+02;
Matches 17; Conservative 0; Mismatches 3;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match

0.3%; Score 15.2; DB 1;
Best Local Similarity 85.0%; Pred. No. 5.9e+02;
Matches 17; Conservative 0; Mismatches 3;
PRIOR FILING DATE: 2003-05-06
PRIOR APPLICATION NUMBER: 60/477,637
PRIOR FILING DATE: 2003-06-10
PRIOR APPLICATION NUMBER: 60/483,579
PRIOR FILING DATE: 2003-06-27
NUMBER OF SEQ ID NOS: 30063
SOFTWARE: FastSEQ for Windows Version 4.0
LENGTH: 20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ; OTHER INFORMATION: Antisense compound US-10-831-901A-22367
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                                                                                                        ## APPLICANT: Stangacu, naugucajou.
### APPLICANT: Freier, Susan M.
### APPLICANT: Hassire, Christian
### APPLICANT: Hassire, Christian
### APPLICANT: Hassire, Christian
### APPLICANT: Baptice, Steven A.
### APPLICANT: Lowery, Kristin Sannes
### APPLICANT: Barker, Eric
### APPLICANT: NUMBER: 60/46/426
### PRIOR FILING DATE: 2003-04-28
### PRIOR FILING DATE: 2003-04-28
### PRIOR FILING DATE: 2003-04-06-06
### PRIOR FILING DATE: 2003-05-06
### PRIOR FILING DATE: 2003-05-06
### PRIOR FILING DATE: 2003-05-06
### PRIOR FILING DATE: 2003-06-10
### PRIOR FILING DATE: 2003-06-27
### PRIOR FILING DATE: 2003-06-27
### PRIOR FILING DATE: 2003-06-20
### PRIOR FILING DATE: 2003-06-27
### PRIOR FILING DATE: 2003-06-10
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APPLICANT: Sampath, Rangarajan
APPLICANT: Sampath, Rangarajan
APPLICANT: Freier, Guristian
APPLICANT: Freier, Guristian
APPLICANT: Hofstaler, Christian
APPLICANT: Hofstaler, Steven A.
APPLICANT: Lowery, Kristin Sannes
APPLICANT: Lowery, Kristin Sannes
APPLICANT: Baker, Exic
APPLICANT: Baker, Exic
APPLICANT: Baker, C. Frank
APPLICANT: Baker, C. Frank
APPLICANT: Baker, C. Frank
APPLICANT: Baker, C. Frank
TITLE OF INVENTION: Acute Respiratory Syndrome (SARS)
FILE REFERENCE: ISISO003-100 (BICLOCOGUS)
CURRENT APPLICATION NUMBER: US/10/831,901A
CURRENT PILING DATE: 2003-04-28
FRIOR APPLICATION NUMBER: 60/466,426
FRIOR APPLICATION NUMBER: 60/466,562
FRIOR APPLICATION NUMBER: 60/466,562
FRIOR APPLICATION NUMBER: 0003-04-28
FRIOR APPLICATION NUMBER: 0003-04-28
FRIOR APPLICATION NUMBER: 0003-04-28
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FRIOR APPLICATION NUMBER: 0003-05-06
FRIOR APPLICATION NUMBER: 0003-04-28
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0.3%; Score 15.2; DB 1;
Best Local Similarity 85.0%; Pred. No. 5.9e+02;
Matches 17; Conservative 0; Mismatches 3;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-10-831-901A-22367
; Sequence 23367, Application US/10831901A
; Publication No. US20050100865A1
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ; OTHER INFORMATION: Antisense compound US-10-831-901A-22366
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PRIOR FILING DATE: 2003-04-30
PRIOR APPLICATION NUMBER: 60/468,627
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        2456 TIGICATIGIGAAAGCICIT 2475
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                                                                                               Sampath, Rangarajan
Stanley T.
David J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: DNA
ORGANISM: Artificial Sequence
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PRIOR APPLICATION NUMBER: 60/466,426
PRIOR FILING DATE: 2003-04-28
PRIOR PRILING DATE: 2003-04-28
PRIOR FILING DATE: 2003-05-06
PRIOR FILING DATE: 2003-05-06
PRIOR FILING DATE: 2003-06-07
PRIOR PILING DATE: 2003-06-06
PRIOR PILING DATE: 2003-06-06
PRIOR PELING DATE: 2003-06-06
PRIOR FILING DATE: 2003-06-10
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PRIOR FILING DATE: 2003-06-10
PRIOR FILING DATE: 2003-06-17
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ORGANISM: Artificial Sequence
FEATURE:
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US-10-831-901A-29726/c
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APPLICANT: Reign Susan M.

APPLICANT: Massire, Christian
APPLICANT: Massire, Christian
APPLICANT: Lowery, Kristin Sannes
APPLICANT: Lowery, Kristin Sannes
APPLICANT: Swayze, Eric
APPLICANT: Swayze, Eric
APPLICANT: Banerit, C. Frank
TITLE OF INVENTION: Compositions And Methods For The Treatment Of Severe
TITLE OF INVENTION: Compositions And Methods For The Treatment Of Severe
TITLE OF INVENTION: Compositions And Methods For The Treatment Of Severe
TITLE OF INVENTION: Compositions and Methods For The Treatment Of Severe
TITLE OF INVENTION: Composition Baneric Solution (BIOLOGOBUS)
CURRENT APPLICATION NUMBER: 60/466,426
PRIOR PILING DATE: 2003-04-28
PRIOR PILING DATE: 2003-04-28
PRIOR PILING DATE: 2003-04-28
PRIOR PILING DATE: 2003-04-30
PRIOR PRILING DATE: 2003-04-30
PRIOR PILING DATE: 2003-04-30
PRIOR PILING DATE: 2003-04-30
PRIOR PILING DATE: 2003-06-06
PRIOR APPLICATION NUMBER: 60/467,770
PRIOR APPLICATION NUMBER: 60/483,579
PRIOR APPLICATION NUMBER: 60/483,579
PRIOR FILING DATE: 2003-06-27
PRIOR APPLICATION NUMBER: 60/483,579
PRIOR FILING DATE: 2003-06-27
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| Publication No. US20050100885A1
| Publication No. US20050100885A1
| GENERAL INFORMATION:
| APPLICANT: Crooke, Stanley T.
| APPLICANT: Ecker, David J.
| APPLICANT: Sampath, Rangarajan
| APPLICANT: Freier, Susan
| APPLICANT: Freier, Susan
| APPLICANT: Bassire, Christian
| APPLICANT: Lowery, Kristin Sannes
| APPLICANT: Baker, Brenda F.
| APPLICANT: Baker, Brenda F.
| APPLICANT: Baker, Brenda F.
| APPLICANT: Bennett, C. Frank
| TITLE OF INVENTION: Compositions And Methods For The Treatment Of Severe
| TITLE OF INVENTION: Compositions And Methods For The Treatment Of Severe
| TITLE OF INVENTION: Compositions And Methods For The Treatment Of Severe
| TITLE OF INVENTION: Compositions And Methods For The Treatment Of Severe
| TITLE OF INVENTION: Compositions And Methods For The Treatment Of Severe
| TITLE OF INVENTION: Compositions And Methods For The Treatment Of Severe
| TITLE OF INVENTION: Compositions And Methods For The Treatment Of Severe
| TITLE PREFERENCE: ISISO083-100 (BIOL0008US)
| CURRENT APPLICATION NUMBER: US/10/831, 901A
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85.0%; Pred. No. 5.9e+02;
tive 0; Mismatches 3; Indels
                                                                                                                                                                       Sequence 27353, Application US/10831901A Publication No. US20050100885A1 GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                             APPLICANT: Crooke, Stanley T.
APPLICANT: Ecker, David J.
APPLICANT: Sampath, Rangarajan
APPLICANT: Freier, Susan M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: DNA ORGANISM: Artificial Sequence
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Best Local Similarity
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LENGTH: 20
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VG-10-831-901A-29726/
US-10-831-901A-29726/
Sequence 29726, Application US/10831901A
Publication No. US20050100895A1
GENERAL INFORMATION:
APPLICANT: Crocke, Stanley T.
APPLICANT: Bender, David J.
APPLICANT: Massite, Christian
APPLICANT: Massite, Christian
APPLICANT: Massite, Christian
APPLICANT: Massite, Christian
APPLICANT: Swayze, Eric
APPLICANT: Bender, Steven A.
APPLICANT: Baker, Brands F.
APPLICANT: Bendert, C. Frank
ITTLE OF INVENTION: Acute Respiratory Syndrome (SARS)
FILE REPERRENCE: IS180083-100 (BACLO008US)
CURRENT APPLICATION NUMBER: 60/466,426
FRIOR APPLICATION NUMBER: 60/466,526
FRIOR APPLICATION NUMBER: 60/466,527
FRIOR APPLICATION NUMBER: 60/466,570
FRIOR APPLICATION NUMBER: 60/466,770
FRIOR APPLICATION NUMBER: 60/466,27
FRIOR APPLICATION NUMBER: 60/467,770
FRIOR APPLICATION NUMBER: 60/467,770
FRIOR APPLICATION NUMBER: 60/466,27
FRIOR APPLICATION NUMBER: 60/466,27
FRIOR PLING DATE: 2003-06-10
FRIOR PLING DATE: 2003-06-10
FRIOR FILING DATE: 200
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Query Match
0.3%; Score 15.2; DB 1; Length 20;
Best Local Similarity 85.0%; Pred. No. 5.9e+02;
Matches 17; Conservative 0; Mismatches 3; Indels
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APPLICANT: Ecker, David J.

APPLICANT: Ecker, David J.

APPLICANT: Ecker, David J.

APPLICANT: Bangard;

APPLICANT: Rangarajan

APPLICANT: Wassire, Christian

APPLICANT: Massire, Christian

APPLICANT: Massire, Christian

APPLICANT: Mesteader, Steven A.

APPLICANT: Swayze, Eric

APPLICANT: Swayze, Eric

APPLICANT: Banert, C. Frank

ITILE OF INVENTION: Acute Respiratory Syndrome (SARS)

ITILE OF INVENTION: Acute Respiratory Syndrome (SARS)

ITILE OF INVENTION: Acute Respiratory Syndrome (SARS)

CURRENT APPLICATION NUMBER: US/10/831,901A

CURRENT APPLICATION NUMBER: 60/466,426

PRIOR APPLICATION NUMBER: 60/468,562

PRIOR FILING DATE: 2003-04-28

PRIOR FILING DATE: 2003-04-30

PRIOR FILING DATE: 2003-04-30

PRIOR FILING DATE: 2003-04-30

PRIOR PELING DATE: 2003-04-30

PRIOR FILING DATE: 2003-04-30

PRIOR APPLICATION NUMBER: 60/463,770

PRIOR APPLICATION NUMBER: 60/463,770

PRIOR APPLICATION NUMBER: 60/463,579

PRIOR APPLICATION NUMBER: 60/483,579

PRIOR APPLICATION NUMBER: 60/483,579
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Sequence 4, Application US/10981507

Publication No. US20050132970A1

GENERAL INFORMATION:

APPLICANT: GOSWAMI, USHA

APPLICANT: GOSWAMI, SUBHASH CHANDER

APPLICANT: GOSWAMI, SUBHASH CHANDER

TITLE OF INVENTION: THE SAME

TITLE OF INVENTION: THE SAME

FILE REFERENCE: 05689/0117

CURRENT APPLICATION NUMBER: US/10/981,507
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Query Match 0.3%; Score 15.2; DB 1; Length 20; Best Local Similarity 85.0%; Pred. No. 5.9e+02; Matches 17; Conservative 0; Mismatches 3; Indels
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SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 30017
LENGTH: 20
                                                                                                                                                                                                                                                                                                         ; Sequence 30017, Application US/10831901A; Publication No. US20050100885A1; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ) OTHER INFORMATION: Antisense compound US-10-831-901A-30017
                                                                                                               5020 ACTGTAAAAAAAAAAA 5039
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RESULT 780

US-10-257-158A-6109/C

US-10-257-158A-6109/C

Sequence 6109, Application US/10257158A

Fublication No. US20050142543A1

GENERAL INFORMATION:
APPLICANT: Barany, Francis
APPLICANT: Aliman, Richard
APPLICANT: Favis, Reyna
APPLICANT: APPLICATION METHOD OF DESIGNING ADDRESSABLE ARRAY FOR DETECTION OF NUCLEIC AC)
TITLE OF INVENTION: SEQUENCE DIFFERENCES USING LIGASE DETECTION REACTION
FILE REFERENCE: 19603/2634
CURRENT FILING DATE: 2002-10-07
PRIOR PILING DATE: 2000-04-14
NUMBER OF SEQ ID NOS: 9544

SOFTWARE: Patentin version 3.1
SEQ ID NO 6109

LENGTH: 20
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Publication No. US20040146898A1
Publication No. US2004014689BA1
GENERAL INFORMATION:
APPLICANT: ROGET, Marion
TITLE OF INVENTION: GENUS FITICEAE AND THE USE OF SAID MARKERS
FILE REFERENCE: US 08/983, 605
CURRENT APPLICATION NUMBER: US/10/697,527
GURRENT APPLICATION NUMBER: PGT/DE96/01185
PRIOR FILING DATE: 1996-06-27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ; OTHER INFORMATION: Description of Artificial Sequence: Hypothetical Probe Sequence US-10-257-158A-6109
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0.3%; Score 15.2; DB 1; Length 20;
Best Local Similarity 85.0%; Pred. No. 5.9e+02;
Matches 17; Conservative 0; Mismatches 3; Indels
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0.3%; Score 15.2; DB 1;
Best Local Similarity 85.0%; Pred. No. 5.9e+02;
Matches 17; Conservative 0; Mismatches 3;
CURRENT FILING DATE: 2004-11-05
PRIOR APPLICATION NUMBER: US/09/782,604
PRIOR FILING DATE: 2001-02-14
NUMBER OF SEQ ID NOS: 45
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 4
LENGTH: 20
TYPE: DNA
PRIOR ARLIFICIAL Sequence
FEATURE:
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US-11-008-747-305/c

i Sequence 305, Application US/11008747

i Publication No. US2005095710A1

i GENERAL INFORMATION:

APPLICANT: Lex M. Coweert

APPLICANT: Susan M. Freier

APPLICANT: Breter P. Monia

APPLICANT: Breter P. Monia

APPLICANT: Breter P. Monia

APPLICANT: Mobert McKay

TILLE OF INVENITON: ANTISENSE MODULATION OF PTPIE EXPRESSION

FILE REFERENCE: ISPH-0576

CURRENT FILING DATE: 2001-05-04

PRIOR PLICATION NUMBER: US/01/08,747

PRIOR PLICATION NUMBER: US 09/629,644

PRIOR FLING DATE: 2000-07-31

PRIOR FLING DATE: 2000-07-31

PRIOR FLING DATE: 2000-07-31

PRIOR FLING DATE: 2000-07-31

SEQ ID NO 305

LENGTH: 20

TABLET OF THE RESULT ON NUMBER: US 09/487,368

WUMBER OF SEQ ID NOS: 389

LENGTH: 20

TABLET OF THE RESULT ON NUMBER: US 09/487,368
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0.3%; Score 15.2; DB 1; Length 20;
Best Local Similarity 85.0%; Pred. No. 5.9e+02;
Matches 17; Conservative 0; Mismatches 3; Indels
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PRIOR APPLICATION NUMBER: DE 195 25 284.5
PRIOR FILING DATE: 1995-06-28
NUMBER OF SEQ ID NOS: 466
SOFTWARE: Patentin version 3.1
SEQ ID NO 245
LENGTH: 20
TYPE: DNA
ORGANISM: Triticum sp.
US-10-697-527-245
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ORGANISM: Artificial Sequence
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Search completed: August 18, 2005, 08:51:49
Job time : 50 secs

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		on US/C Pierce
		plicati 210 ATION: John W.
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1 US-09-453-234-4 Sequence 24 US-08-632-588-29 Sequence 22 US-08-231-240-29 Sequence 23 US-09-231-240-29 Sequence 23 US-09-422-978-8727 Sequence 81 US-09-685-664B-1073 Sequence 11 US-09-685-664B-1077 Sequence 11 US-09-904-744-1 Sequence 11 US-09-357-070-8 Sequence 61 US-08-457-822-6 Sequence 61 US-08-456-248-6 Sequence 61 US-08-456-248-6 Sequence 61 US-09-425-978-6200 Sequence 61 US-09-425-978-6200 Sequence 61 US-09-306-4206 Sequence 61 US-09-306-4206 Sequence 61 US-09-306-4206 Sequence 65 US-09-306-4206-65 US-09-4206-65 US-09-	acunentes seduences seduen	1 US-08-910-443-11 Sequence 1 US-08-910-443-11 Sequence 1 US-08-916-814-4 Sequence 1 US-08-911144-11 Sequence 1 US-08-011-398B-7 Sequence 1 US-08-011-398B-7 Sequence 1 US-08-464-051-7 Sequence
20 1 US-09-453-234-4 Sequence 24.3 21 1 US-09-632-598-29 Sequence 22.3 21 1 US-09-632-598-29 Sequence 23.3 21 1 US-09-211-240-29 Sequence 23.3 21 1 US-09-685-664B-1073 Sequence 11.0 US-09-685-664B-1075 Sequence 11.0 US-09-685-664B-1077 Sequence 11.0 US-09-685-664B-1077 Sequence 11.0 US-09-04-744-1 Sequence 11.0 US-09-04-744-1 Sequence 65.3 20 1 US-08-467-822-6 Sequence 65.3 20 1 US-08-45-69-6 Sequence 65.3 20 1 US-08-45-29-6 Sequence 65.3 20 1 US-08-25-979-6 Sequence 65.3 20 1 US-08-25-979-6 Sequence 65.3 20 1 US-09-32-978-6200 Sequence 65.3 20 1 US-09-306-4200 Sequence 65.3 20 1 US-09-306-4200 Sequence 65.3 20 1 US-09-306-4200 Sequence 65.3 20 1 US-09-306-4200-6 Sequence 65.3 20 1 US-09-306-4200-6 Sequence 65.3 20 1 US-09-306-4200-6 Sequence 65.3 20 1 US-09-4200-6 Sequence 65.3 20 1 US-09-4200-650-650-650-650-650-650-650-650-650-6	1 US-09-081-285-98 Sequence I US-07-977-284A-103 Sequence I US-08-596-591-57 Sequence I US-08-635-14 Sequence I US-08-636-51-57 Sequence I US-08-637-902-77 Sequence I US-08-631-61 Sequence I US-08-631-61 Sequence I US-08-639-501-120 Sequence I US-08-639-501-120 Sequence I US-08-944-81-120 Sequence I US-08-944-81-120 Sequence I US-08-944-81-120 Sequence I US-08-944-946-120 Sequence I US-09-044-908-120 Sequence I US-09-041-028-883-45 Sequence I US-09-120-124-153 Sequence I US-09-120-124-153 Sequence I US-09-120-124-153 Sequence I US-09-120-124-153 Sequence I US-09-120-126-131 Sequence I US-09-120-136-131 Sequence I US-09-120-136-131 Sequence I US-09-120-136-13-13 Sequence I US-09-120-136-13-136-13 Seq	13 19 1 US-08-910-443-13 Sequence 13 19 1 US-08-910-443-11 Sequence 13 19 1 US-08-910-443-11 Sequence 13 19 1 PCT-US95-11114-11 Sequence 13 16 1 US-08-011-998B-7 Sequence 13 16 1 US-08-011-998B-7 Sequence 13 16 1 US-08-464-051-7 Sequence 14 US-08-464-051-7 Sequence 15 US-08-464-051-7 Sequence
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Sequence 29, Application US/09213834B

Fatent No. 6825011

GENERAL INFORMATION:
TITLE OF INVENTION:
TITLE OF INVENTION: UNFROVED METHODS FOR INSERTION OF
TITLE OF INVENTION: UNCHEIC ACIDS INTO CIRCULAR VECTORS;
TITLE OF INVENTION: UNCHEIC ACIDS INTO CIRCULAR VECTORS;
TITLE OF INVENTION: UNUBER: US/09/213,834B

CURRENT PELICATION UNUBER: US/09/213,834B

CURRENT FILING DATE: 1998-12-17

NUMBER OF SEQ ID NOS: 50

SEQ ID NO 29

LENGTH: 32
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                                                      COMPUTE: 1993.
COMPUTE: READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch, 1.0 MB
COMPUTER: Macintosh
OPERATING SYSTEM: Macintosh System, 6.0
SOFTWARE: Microsoft Word 4.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/12,702A
FILING DATE: 12-SEP-1996
CLASSIFICATION DATA:
APPLICATION NATA:
APPLICATION NATA:
APPLICATION NUMBER: 08/182,060
FILING DATE: 21-3M-1994
APPLICATION NUMBER: US/92/0657
FILING DATE: 24 JULY 1991
ATTORNEY/AGENT INFORMATION:
NAME: LINDA AXAMETHY FLOYD
REGISTATION NUMBER: 33,692
REGISTATION NUMBER: BB-1032-A
TELECOMMUNICATION NUMBER: BB-1032-A
TELECOMMUNICATION NUMBER: BB-1032-A
TELECOMMUNICATION NUMBER: BB-1032-A
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92.1%; Pred. No. 1...
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Pred. No. 6;
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; OTHER INFORMATION: Cloning Vector
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ORGANISM: Artificial Sequence
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Best Local Similarity 93.3%;
Matches 28; Conservative
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SEQUENCE CHARACTERISTICS:
ENGTH, 40 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
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nes 35; Conservative
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                         U.S.A.
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TELEX:
STATE: De COUNTRY: ZIP: 198
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APPLICANT: Phillip S. Kerr
APPLICANT: Mary F. Becker-Manley
APPLICANT: Richard W. Pearlstein
APPLICANT: Richard W. Pearlstein
APPLICANT: NUNSWIION: NUCLOCITIES OF INVENTION: NUCLOCITIES Sequences
TITLE OF INVENTION: Of Galactinol Synthase from Zucchini and Soybean
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       DB 1; Length 40;
                                                                                                                                                                                                                                                                                                                                                                                    COMPUTER: Macintosh OPERATING SYSTEM: Macintosh System, 6.0 SOFTWARE: Macroscett Word 4.0 CURRENT AREACON DATA: Macroscett Word 4.0 CURRENT APPLICATION DATA: APPLICATION NUMBER: US/08/182,060A PRIOR APPLICATION NUMBER: US/08/182,06057 FILING DATE: 24 JULY 1992 APPLICATION NUMBER: 07/735,066 FILING DATE: 24 JULY 1991 APPLICATION NUMBER: 07/735,066 FILING DATE: 24 JULY 1991 ATTORNEY/AGENT INFORMATION: AMME: LINDA AZAMETHY FLOYD REGISTRATION NUMBER: 33,692 REFERENCE/DOCKET NUMBER: 33,692 REFERENCE/DOCKET NUMBER: BB-1032-A TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                       ZIP: 19898
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch, 1.0 MB
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92.1%; Pred. No. 1.1;
tive 0; Mismatches
                                    APPLICANT: Bruce J. Schweiger
TITLE OF INVENTION: Nucleotide Sequences
TITLE OF INVENTION: of Galactinol
TITLE OF INVENTION: Synthase from
TITLE OF INVENTION: Succhini and Soybean
NUMBER OF SEQUENCES: 12
CORRESPONDENCE ADDRESS:
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CORRESPONDENCE ADDRESS:
ADDRESSEE: E. I. du Pont de Nemours
ADDRESSEE: and Company
                                                                                                                                                                                         ADDRESSEE: E. I. du Pont de Nemours
ADDRESSEE: and Company
STREET: 1007 Market Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 11, Application US/08712702A
Patent No. 5773699
GENERAL INFORMATION:
APPLICANT: JOHN W. Pierce
                    Pearlstein
  Becker-Manley
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          INFORMATION FOR SEQ ID NO: 11:
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Best Local Similarity 92.1
Matches 35; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TELEFAX: (302)892-7949
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SEQUENCE CHARACTERISTICS
LENGTH: 40 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: nucleic acid
STRANDEDNESS: single
                      Richard W.
                                                                                                                                                                                                                                                             COUNTRY: U C
                                                                                                                                                                                                                                                           CITY: Wilmington
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TYPE: DNA
ORGANISM: Artificial Sequence
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US-09-859-736-2/c
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0.5%; Score 26.4; DB 1; Length 28;
Best Local Similarity 96.4%; Pred. No. 5.7;
Matches 27; Conservative 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 7, Application US/09923236
; Sequence 7, Application US/09923236
; Patent No. 682849
; GENERAL INFORMATION:
; APPLICANT: Sheppard, Paul O.
; APPLICANT: Sheppard, Paul O.
; TITLE OF INVENTION: SECRETED SALIVARY ZSIG63 POLYPEPTIDE
; TITLE REFERENCE: 97-71
; FILE REFERENCE: 97-71
; CURRENT APPLICATION NUMBER: US/09/923,236
; CURRENT FILING DATE: 1209-03-17
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 7
; LENGTH: 26
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0.5%; Score 26; DB 1; Length 26;
Best Local Similarity 100.0%; Pred. No. 5.9;
Matches 26; Conservative 0; Mismatches 0; Indels
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US-09-923-236-6/c
is Sequence 6, Application US/09923236
j Patent No. 6828419
j GENERAL INFORMATION:
j APPLICANT: Sheppard, Paul O.
j APPLICANT: Aller, David A.
j TITLE OF INVENTION: SECRETED SALIVARY ZSIG63 POLYPEPTIDE
j FILE REFERENCE: 97-71
                                       GENERAL INFORMATION:
APPLICANT: ROMANICALIKOV, YULI
TITLE OP INVENTION: IMPROVED METHODS FOR INSERTION OF
TITLE OP INVENTION: IMPROVED METHODS INTO CIRCULAR VECTORS
FILE REFERENCE: 11639/1
CURRENT APPLICATION NUMBER: US/09/213,834B
CURRENT FILING DATE: 1998-12-17
NUMBER OF SEQ ID NOS: 50
SEQ ID NO 8
LENGTH: 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ; OTHER INFORMATION: Oligonucleotide primer ZC7764a
US-09-923-236-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  5041 AAAAAAAAAAAAAAAAAAAAAAAAAACTCG 5068
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Sequence 8, Application US/09213834B Patent No. 6825011
                                                                                                                                                                                                                                                                                                                                                         , OTHER INFORMATION: Cloning Vector US-09-213-834B-8
                                                                                                                                                                                                                                                                                             TYPE: DNA ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: DNA
ORGANISM: Artificial Sequence
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CURRENT PADILLANDIN NUMBER: US 60/124,820
PRIOR FILMS DATE: 2001-08-09
PRIOR FILMS DATE: 2001-08-09
PRIOR FILMS DATE: 1999-03-17
PRIOR PADILLANDIN NUMBER: US 60/124,820
PRIOR FILMS DATE: 1999-03-17
PRIOR FILMS DATE: 1999-03-17
PRIOR FILMS DATE: 1999-03-17
PROGRAM: A COMMENT OF THE PADILLANDIN NUMBER: PADILLANDIN DATE: 1999-03-17
PRIOR PADILLANDIN DATE: 2001-09-19
DD 26 BANAMANANAMANANAMANANA SOA9
PRIOR PADILLANDIN NUMBER: US/0989736
PRIOR PADILLANDIN NUMBER: US/0989736
PRIOR PADILLANDIN DATE: 2001-09-19
PRIOR PADILLANDIN DATE: 2001-19-19
PRIOR PADILLANDIN DATE: 2001-19-
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NAME/KEY: polyA_signal
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Best Local Similarity
Matches 24; Conserva
                                                                                                                                Similarity
                            ; LOCATION: (1)..(2,
; OTHER INFORMATION
US-09-926-028-28
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APPLICANT: DATE, MASAYO

APPLICANT: TAKAHARA, YOSHIVUKI

TILLE OF INVENTION: METHOD FOR ANALYZING EXPRESSION FREQUENCIES OF GENES

FILE REFERENCE: 212833USOPCT

CURRENT APPLICATION NUMBER: US/09/926,028

CURRENT FILING DATE: 2001-08-16

PRIOR FILING DATE: 2000-02-17

PRIOR FILING DATE: 1999-02-17

NUMBER OF SEQ ID NOS: 45

SOFTWARE: Patentin version 3.1

SEQ ID NO 28

LENGTH: 24
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; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-859-736-2
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APPLICANT: Romantchikov, Yuri

APPLICANT: Romantchikov, Yuri

APPLICANT: Romantchikov, Yuri

APPLICANT: Romantchikov, Yuri

TITLE OF INVENTION: IMPROVED METHODS FOR INSERTION OF

TITLE OF INVENTION: NUCLEIC ACIDS INTO CIRCULAR VECTORS

FILE REFERENCE: 11639/1

CURRENT APPLICATION NUMBER: US/09/213,834B

CURRENT FILING DATE: 1998-12-17

NUMBER OF SEQ ID NOS: 50

SEQ ID NO 9

SEQ ID NO 9

LENGTH: 25
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0.5%; Score 24.6; DB 1;
Best Local Similarity 96.0%; Pred. No. 8.8;
Matches 24; Conservative 1; Mismatches 0;
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; Sequence 9, Application US/09213834B
; Patent No. 6825011
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; OTHER INFORMATION: Cloning Vector US-09-213-834B-9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             OTHER INFORMATION: Synthetic DNA FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ORGANISM: Artificial Sequence
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                                                                                                                                                 Query Match
Best Local Similarity
Matches 25; Conservat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: DNA
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ZIP: 01930

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette, 3.50 inch, 1.40 Mb storage

COMPUTER: Dell PC

OPERATING SYSTEM: MS DOS

SOFTWARE: Microsoft Word version 97

CURRENT APPLICATION DATA:

APPLICATION DATA:

RELIGITORIE: 12-No. 6815187-1998

CLASSIFICATION: Unknown
              DB 1; Length 24;
10;
                                                          0; Indels
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US-09-190-976B-15/C
US-09-190-190-15, Application US/09190976B
; Sequence 15, Application US/09190976B
; Patent No. 68151871ON:
GENERAL INFORMATION:
HOTOWITZ, Arie
; HOTOWITZ, Arie
; TITLE OF INVENTION: Stimulation of anglogenesis via
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: ROMANTCHIKOV, YULI
TITLE OF INVENTION: IMPROVED METHODS FOR INSERTION OF
TITLE OF INVENTION: NUCLEIC ACIDS INTO CIRCULAR VECTORS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ch 0.5%; Score 24; DB 1; Il Similarity 100.0%; Pred. No. 10; 24; Conservative 0; Mismatches 0
0.5%; Scc...
100.0%; Pred. No. ...
0; Mismatches
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NAME: David Prashker, Esq.
REGISTRATION NUMBER: 29,693
REFERENCE/DOCKET NUMBER: BIS-041
TELECOMMUNICATION: INFORMATION:
TELEPHONE: (978) 525-3794
                                                                                                                                                                                                                                                                                                                                                                                                                       NUMBER OF SEQUENCES: 25
CORRESPONDENCE ADDRESS:
ADDRESSEE: David Prashker, Esq.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ) MOLECULE TYPE: peptide
; SEQUENCE DESCRIPTION: SEQ ID NO: 15:
US-09-190-976B-15
                                                                                                    5025 AAAAAAAAAAAAAAAAAAAA 5048
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          STATE: Massachusetts
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                                                          24; Conservative
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ORGANISM: Artificial Sequence
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PRIOR APPLICATION DATA:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-09-213-834B-12/c
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; Sequence 5, Application US/09859736
; Patent No. 6838244
; GENERAL INFORMATION:
; APPLICANT: LI, WAN-LIANG ROBERT
; APPLICANT: LI, WAN-LIANG S.
; TITLE OF INVENTION: FLUORESCENT OLIGONUCLEOTIDES AND USES THEREOF
; TITLE OF INVENTION: FLUORESCENT OLIGONUCLEOTIDES AND USES THEREOF
; TITLE OF INVENTION OF SECOND SEC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ; OTHER INFORMATION: Description of Artificial Sequence: DNA Primer US-10-009-962-10
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| Sequence 10, Application US/10009962
| Sequence 10, Application US/10009962
| Patent No. 6825321
| GENERAL INFORMATION:
| APPLICANT: TTO, KIRUKAtsu
| TITLE OF INVENTION: Plant Thermogenic Genes and Proteins
| TITLE OF INVENTION: Plant Thermogenic Genes and Proteins
| TITLE OF INVENTION: Plant Thermogenic Genes and Proteins
| TITLE OF INVENTION: Plant Thermogenic Genes and Proteins
| TITLE OF INVENTION: Plant Thermogenic Genes and Proteins
| TITLE OF INVENTION: Plant Thermogenic Genes and Proteins
| FILE REFERENCE: 2001-123
| PRIOR FILING DATE: 2002-01-23
| PRIOR FILING DATE: 1999-06-14
| NUMBER: OF SEQ ID NOS: 12
| SOFTWARE: PatentIn Ver. 2.0
| SEQ ID NO 10
| LENGTH: 24
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0.5%; Score 24; DB 1; Length 24;
Best Local Similarity 100.0%; Pred. No. 10;
Matches 24; Conservative 0; Mismatches 0; Indels
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FILE REFERENCE: 11639/1
CURRENT APPLICATION NUMBER: US/09/213,834B
CURRENT FILING DATE: 1998-12-17
NUMBER OF SEQ ID NOS: 50
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 3
LENGTH: 24
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: DNA ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                       TYPE: DNA
ORGANISM: Artificial Sequence
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FEATURE:
JOTHER INFORMATION: Description of Artificial Sequence: Synthetic JOTHER INFORMATION: CATAb oligonuclectide
US-09-859-736-5
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sequence 12, Application US/09213834B
sequence 12, Application US/09213834B
sequence 12, Application US/09213834B
general No. 6825011
general invormation:
TITLE OF INVENTION: IMPROVED METHODS FOR INSERTION OF
TITLE OF INVENTION: NUCLEIC ACIDS INTO CIRCULAR VECTORS;
FILE REPERENCE: 116394/1
CURRENT APPLICATION NUMBER: US/09/213, 834B
CURRENT FILING DATE: 1998-12-17
NUMBER OF SEQ ID NOS: 50
software: FastSEQ for Windows Version 4.0
seq ID NO 12
LENGTH: 28
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                                                                                                                                                                                                                                            Length 24
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                                                                                                                                                                                                                                       Query Match 0.5%; Score 24; DB Best Local Similarity 100.0%; Pred. No. 10; Matches 24; Conservative 0; Mismatches
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COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: MICROSOFT WINDOWS 95
SOFTWARE: MICROSOFT OFFICE 97
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                5025 AAAAAAAAAAAAAAAAAAAAAA 5048
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/068,043
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ORGANISM: Artificial Sequence
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TITLE OF INVENTION: VE
NUMBER OF SEQUENCES: 5
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ZIP: 19898
COMPUTER READABLE FORM:
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Sequence 6, Application US/09859736
Fatent No. 6838244
GENERAL INFORMATION:
APPLICANT: LI, WAN-LIANG ROBERT
APPLICANT: US/09/859,736
CURRENT APPLICATION NUMBER: US/09/859,736
CURRENT FILING DATE: 2001-05-18
PRIOR FILING DATE: 2000-05-19
FRIOR FILING DATE: 2000-05-19
NUMBER OF SEQ ID NOS: 7
SOFTWARE: PatentIn Ver. 2.1
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Pred. No. 22;
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPOTER: DATE: NO.608/805,813
FILING DATE: NO.6550381 yet assigned
FLING DATE: NO.6550381 yet assigned
CLASSITCATION NUMBER: JP 8-068809
FILING DATE: 25-MAR-1996
PRIOR APPLICATION NUMBER: JP 8-068809
FILING DATE: 25-MAR-1996
FILING DATE: 17-ML-1996
ATTOMNEY/AGRIT INFORMATION:
MANNER ADELICATION NUMBER: JP 8-187763
FILING DATE: JP-JUL-1996
ATTOMNEY/AGRIT INFORMATION:
                                  NUMBER OF SEQUENCES: 19
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ; NAME/KEY: - ; ; LOCATION: 1..21 ; OTHER INFORMATION: /note= "BKSBE primer" US-08-805-813-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NAME: Bastian, Kevin L.
REGISTRATION NUMBER: 34,774
REPERENCE/DOCKET NUMBER: 85760-00000
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
          FITLE OF INVENTION: Production Thereof
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0.4%; Scc.
100.0%; Pre
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TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 21 Dase pairs
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Best Local Similarity 100.
Matches 21; Conservative
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LENGTH: 21
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Patent No. 6750381
GENERAL INFORMATION:
APPLICANT: Mitsuhara, Ichiro
APPLICANT: Ohshima, Masahiro
APPLICANT: Ohshim, Yuko
TITLE OF INVENTION: Pathogen-Resistant Plants and Method for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0.4%; Score 21.8; DB 1; Length 26; 92.0%; Pred. No. 22; tive 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Sass, Philip
APPLICANT: Sass, Philip
APPLICANT: Grasso, Luigi
APPLICANT: Grasso, Luigi
APPLICANT: Kinzler, Kenneth
APPLICANT: Kinzler, Kenneth
APPLICANT: Vogelacein, Bert
TITLE OF INVENTION: A METHOD FOR GENERATING HYPERMUTABLE
TITLE OF INVENTION: ORGANISMS
TITLE OF INVENTION: ORGANISMS
TITLE OF INVENTION: A METHOD FOR GENERATING HYPERMUTABLE
TITLE OF INVENTION: A METHOD FOR GENERATING HYPERMUTABLE
TITLE OF INVENTION: 201107.00138
CURRENT APPLICATION NUMBER: US/09/853,646A
CURRENT FILING DATE: 2000-05-17
NUMBER OF SEQ ID NOS: 4
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO: 3
LENGTH: 26
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                DB 1; Length 30;
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0.5%; Score 24; DB
Best Local Similarity 100.0%; Pred. No. 13;
Matches 24; Conservative 0; Mismatches
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APPLICATION NUMBER: 60/006,201
FILING DATE: NOVEMBER 3, 1995
ATTORNEY/AGENT INFORMATION:
NAME: FELTHAM, S. NEIL
REGISTRATION NUMBER: 36,506
REFERENCE/DOCKET NUMBER: CR-9807
TELEFOOMUNICATION INFORMATION:
TELEFAK: 302-773-0164
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 30 base pairs
LENGTH: 30 base pairs
TYPE: NUCleic acid
STRANDEDNESS: single
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US-09-853-646A-3
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Best Local Similarity 92.01
Matches 23; Conservative
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MOLECULE TYPE:
HYPOTHETICAL:
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GENERAL INFORMATION:
APPLICANT: Mirkin, Chad A.
APPLICANT: Mirkin, Chad A.
APPLICANT: Letsinger, Robert L.
APPLICANT: Storhoff, James J.
APPLICANT: APPLICANT: ADDIAIN, ROBERT
APPLICANT: APPLICANTON: NANOPARTICLES HAVING OLIGONUCLEOTIDES ATTACHED THERETO
TITLE OF INVENTION: AND USES THEREFOR
FILE REPERENCE: 00-713-121
CURRENT APPLICATION NUMBER: 09/976,618A
CURRENT FILING DATE: 2000-06-26
PRIOR FILING DATE: 1999-06-25
PRIOR PELING DATE: 1999-01-29
PRIOR PELING DATE: 1999-01-29
PRIOR FILING DATE: 1999-01-29
PRIOR FILING DATE: 1999-01-29
PRIOR FILING DATE: 1997-07-21
PRIOR FILING DATE: 1997-07-21
PRIOR FILING DATE: 1997-07-21
PRIOR FILING DATE: 2000-04-26
NUMBER OF SEQ ID NOS: 64
SOFTWARE: Microsoft Word 2000
SEQ ID NO 55
LENGTH: 20
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Sequence 55, Application US/09976968A
Patent No. 6818753
GENERAL INFORMATION:
APPLICANT: Markin, Chad A.
APPLICANT: Mucic, Robert C.
APPLICANT: Storkhoff, James J.
APPLICANT: Storkhoff, James J.
APPLICANT: Taton, Thomas A.
TITLE OF INVENTION: NANOPARTICLES HAVING OLIGONUCLECTIDES ATTACHED THERETO
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                                                                                          DB 1; Length 25;
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0.4%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 28;
Matches 20; Conservative 0; Mismatches 0; Indels
                                                                                                                                              2; Indels
                                                                                          Query Match
0.4%; Score 20.8; D
Best Local Similarity 91.7%; Pred. No. 29;
Matches 22; Conservative 0; Mismatches
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                                                                                                                                                                                                                                                                                                                                        RESULT 22
US-03-976-618A-55
; Sequence 55, Application US/09976618A
; Parent No. 6812334
; FEATURE:
; OTHER INFORMATION: Recombinant DNA
US-09-853-646A-4
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                                                                                                                                                                 Gaps
                                                                                                                                                                                                                                                                                                                                                                              sequence 24, Application US/09377502

j Sequence 24, Application US/09377502

patent No. 6791011

j GENERAL INFORMATION:
   APPLICANT: Gene Shears Pty. Limited
   APPLICANT: Perts., Pascaul
   APPLICANT: Perts., Pascaul
   APPLICANT: Huttner, Eric
   APPLICANT: Huttner, Eric
   APPLICANT: Huttner, Eric
   APPLICANT: Hottner, Eric
   APPLICANT: Hottner, Eric
   APPLICANT: Hottner, Eric
   FILE REFERENCE: P19229US/TUF
   CURRENT APPLICATION NUMBER: US/09/377,502
   CURRENT FILING DATE: 1998-08-20
   PRIOR PILING DATE: 1998-02-20
   PRIOR FILING DATE: 1998-02-21
   NUMBER: PERTOR NUMBER: GB 97/03681.8
   PRIOR FILING DATE: 1997-02-21
   NUMBER: PATENTING DATE: 1997-02-21
     ; OTHER INFORMATION: Description of Artificial Sequence: Synthetic; OTHER INFORMATION: dT oligonucleotide
US-09-859-736-6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ;
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                                                                                                          Query Match
0.4%; Score 21; DB 1; Length 21;
Best Local Similarity 100.0%; Pred. No. 22;
Matches 21; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                        5025 AAAAAAAAAAAAAAAAA 5045
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US-09-377-502-24
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Patent No. 6825038
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                                                                                                                                                                                                                                                                         21 AAAAAAAAAAAAAAAAAA 1
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US-09-853-646A-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: DNA
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US-05-97-5-059A-55
US-05-97-5-059A-55
US-05-97-5-059A-55
Patent No. 6828432
GENERAL INFORMATION:
PAPLICANT: Mirkin, Chad A.
PAPLICANT: Moute, Robert C.
APPLICANT: Etsinger, Robert C.
APPLICANT: Storhoff, James J.
APPLICANT: Storhoff, James J.
APPLICANT: Elghanian, Robert C.
APPLICANT: Bighanian, Robert C.
APPLICANT: Broin, Thomas A.
TITLE OF INVENTION: THANOPARTICLES HAVING OLIGONUCLEOTIDES ATTACHED THERETO
TITLE OF INVENTION: AND USES THEREFOR
TITLE OF INVENTION NUMBER: US/09/975,059A
CURRENT FILING DATE: 2000-06-26
PRIOR APPLICATION NUMBER: 09/240,755
PRIOR PELICATION NUMBER: PCT/US97/12703
PRIOR PELICATION NUMBER: PCT/US97/12703
PRIOR PELICATION NUMBER: PCT/US97/12703
PRIOR PELICATION NUMBER: E0/200,161
PRIOR FILING DATE: 1999-07-29
PRIOR PELICATION NUMBER: 60/200,161
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ; OTHER INFORMATION: Description of Artificial Sequence:random; OTHER INFORMATION: synthetic sequence
US-09-975-059A-55
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 20;
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Pred. No. 28;
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0.4%; Score 20; DB
Best Local Similarity 100.0%; Pred. No. 28;
Matches 20; Conservative 0; Mismatches
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US-09-859-736-3/c
Sequence 3, Application US/09859736
Patent No. 6838244
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: DNA ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: DNA ORGANISM: Artificial Sequence
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Facent No. 682331

GENERAL INFORMATION:

APPLICANT: Manoharan, Muthiah

APPLICANT: Manoharan, Muthiah

APPLICANT: Salo, Harri

APPLICANT: OF 1000

FILE REFERENCE: 18155089

CURRENT APPLICATION NUMBER: 09/10,520

FRIOR APPLICATION NUMBER: 09/10,520

PRIOR FILING DATE: 1998-01-30

PRIOR FILING DATE: 1999-06-25

NUMBER OF SEQ ID NOS: 18

SEQ ID NO: 10

LENGTH: 20
                                                         CURRENT APPLICATION NUMBER: US/09/976,968A
CURRENT FILING DATE: 2001-10-12
PRIOR PELING DATE: 2001-10-12
PRIOR FILING DATE: 2006-06-26
PRIOR PELING DATE: 1999-06-25
PRIOR APPLICATION NUMBER: 09/344,667
PRIOR FILING DATE: 1999-01-29
PRIOR PILING DATE: 1999-01-29
PRIOR PILING DATE: 1999-01-29
PRIOR PILING DATE: 1997-07-21
PRIOR APPLICATION NUMBER: 60/031,809
PRIOR FILING DATE: 1997-07-21
PRIOR APPLICATION NUMBER: 60/031,809
PRIOR PILING DATE: 1996-07-29
PRIOR PILING DATE: 1996-07-29
PRIOR APPLICATION NUMBER: 60/031,809
PRIOR PILING DATE: 1996-07-29
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100.0%; Pred. No. 28;
tive 0; Mismatches
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US-10-234-764-10
         AND USES THEREFOR
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NUMBER OF SEQ ID NOS: 64
SOFTWARE: Microsoft Word 2000
SEQ ID NO 55
LENCTH: 20
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Matches 20; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               20; Conservative
TITLE OF INVENTION: AND UPTIFE REPERENCE: 00-713-117
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Best Local Similarity
Matches 20; Conserve
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GENERAL INFORMATION:
APPLICANT: LI, WAN-LIANG ROBERT
APPLICANT: LI, WAN-LIANG ROBERT
APPLICANT: LI, WAN-LIANG ROBERT
TILE APPLICANT: ZHOU, JIAN S.
TITLE OF INVENTION: FLUORESCENT OLIGONUCLEOTIDES AND USES THEREOF
FILE REFERENCE: 16517.248
CURRENT APPLICATION NUMBER: US/09/859,736
CURRENT FILING DATE: 2001-05-18
PRIOR APPLICATION NUMBER: 60/205,452
PRIOR FILING DATE: 2000-05-19
NUMBER OF SEQ ID NOS: 7
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 3
LENGTH: 20 OTHER INFORMATION: Description of Artificial Sequence: Synthetic OTHER INFORMATION: CATI oligonucleotide 0.4%; Score 20; DB 1; Length 20; 100.0%; Pred. No. 28; Query Match Best Local Similarity

RESULT 25

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Gaps
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US-09-538-709-391/c

Sequence 391, Application US/09538709

Sequence 391, Application US/09538709

GENERAL INFORMATION:

APPLICANT ULANOWERY, et al

TITLE OF INVENTION: SEQUENCE-DEPENDENT GENE SORTING TECHNIQUES

FILE REFERENCE: 540579-2006

CURRENT APPLICATION NUMBER: US/09/538,709

CURRENT FILING DATE: 2001-06-08

NUMBER OF SEQ ID NOS: 1311

SOFTWARE: PatentIn version 3.0

SEQ ID NO 391
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| GENERAL INFORMATION:
| APPLICANT: Michael Mittmann
| APPLICANT: David Mack
| APPLICANT: David Lockhart
| APPLICANT: Affymetrix, Inc.
| TITLE OF INVENTION: Methods of Genetic Analysis
| FILE REFERENCE: 310.1
| FILE REFERE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 18.8; DB 1;
Pred. No. 53;
0; Mismatches 2;
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Local Similarity 90.9%; Pred. No. 53;
Nes 20; Conservative O; Mismatches
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"Sequence 108648, Application US/09396196G
"Patent No. 6821724
"GENERAL INFORMATION:
"APPLICANT: Michael Mittmann
APPLICANT: David Mack
"APPLICANT: David Lockhart
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-09-396-196G-82442
; Sequence 82442, Application US/09396196G
; Patent No. 6821724
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1 CTGCAGGAATTCGGCACGAG 20
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ORGANISM: Artificial Sequence
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Matches 20; Conservative
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COTHER INFORMATION: primer
US-09-538-709-391
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: DNA ORGANISM: mus musculus
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; Sequence 35, Application US/09360545
; Patent No. 6429101
; GENERAL INFORMATION:
    APPLICANT: Croteau, Rodney B
    APPLICANT: Bohlmann, Jorg
    APPLICANT: Steele, Christopher L
    APPLICANT: Steele, Christopher L
    APPLICANT: Phillips, Michael A
    TITLE OF INVENTION: MONOTERPENE SYNTHASES FROM GRAND FIR (ABIES GRANDIS)
    FILE REFERENCE: want13865
    CURRENT APPLICATION NUMBER: 05/052,249
    EARLIER FILING DATE: 1997-11-07
    EARLIER FILING DATE: 1997-11-07
    EARLIER FILING DATE: 1997-11-07
    SARLIER FILING DATE: 1997-11-07
    SOFTWARE: PALENTING DATE: 1998-07-10
    NUMBER OF SEQ ID NOS: 107
    SEQ ID NOS: 107
    SEQ ID NOS: 207
    SEQ ID NOS: 207
    SEQ ID NOS: 207
    SEQ ID NOS: 207

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                     Gaps
                                                                                                                                                                                                                                                                                     Sequence 4, Application US/09859736
; Sequence 4, Application US/09859736
; Patent No. 6838244
; GENERAL INFORMATION:
; APPLICANT: LI, WAN-LIANG ROBERT
; APPLICANT: LI, WAN-LIANG SCENT OLIGONUCLEOTIDES AND USES THEREOF
; TITLE OF INVENTION: FLUORESCENT OLIGONUCLEOTIDES AND USES THEREOF
; FILE REFERENCE: 16517.248
; CURRENT APPLICATION NUMBER: US/09/859,736
; PRIOR PRILING DATE: 2001-05-18
; PRIOR FILING DATE: 2000-05-19
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ö
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match

0.4%; Score 20; DB 1; Length 21;
Best Local Similarity 100.0%; Pred. No. 30;
Matches 20; Conservative 0; Mismatches 0; Indels
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0.4%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 28;
Matches 20; Conservative 0; Mismatches 0; Indels
                        Indels
                            ..
0
                            0; Mismatches
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                                                                                            5025 AAAAAAAAAAAAAAAAA 5044
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: DNA ORGANISM: Artificial Sequence
                                20; Conservative
                                                                                                                                                                                                                                                                                                       US-09-859-736-4/c
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ö
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           DB 1; Length 20;
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100.0%; Pred. No. 45;
cive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1; Indels
                         COMPUTER: ENDABLE FORM:
MEDIUM TYPE: Floppy disk
MEDIUM TYPE: Floppy disk
COMPUTER: ParentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/849,536A
FILING DATE: Herewith
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Wong, King L.
REGISTRATION NUMBER: 1614-7026
REFERRANCS/DOCKET NUMBER: 1614-7026
TELEFONMICATION INFORMATION:
TELEFONMICATION INFORMATION:
TELEFONMICATION INFORMATION:
TELEFONMICATION INFORMATION:
TELEFONMICATION OR SEQ ID NO: 15:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 base pairs
TYPE: ALOLE ocid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-00-09-545A-84/C

Sequence 84, Application US/09809545A

Parent No. 6800455

GENERAL INFORMATION:
APPLICANT: Stanton, Lawrence W.
TITLE OF INVENTION: SECRETED FACTORS
FILE REFERENCE: SCIOS.017A
CURRENT APPLICATION NUMBER: US/09/809,545A
CURRENT FILING DATE: 2001-03-14
NUMBER OF SEQ ID NOS: 84

SOFTWARE: FastSEQ for Windows Version 4.0

SEQ ID NO 84
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0, Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 18.4;
Pred. No. 46;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ; TOPOLOGY: linear | TOPOLOGY: house | MOLECULE TYPE: other nucleic acid | DESCRIPTION: | desc = "Primer NPC6" US-08-849-536A-15
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US-10-352-704-12/c
iSequence 12, Application US/10352704
; Settent No. 6825339
; GENERAL INFORMATION:
; APPLICANT: Chatelain, Francois
; Kumarev, Viktor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    817 TGTCTACCTTTCCAGAAGC 836
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ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Best Local Similarity 95.0 Matches 19; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Best Local Similarity 100.
Matches 18; Conservative
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Patent No. 5853976
GENERAL INFORMATION:
APPLICANT: HESSE, Friederike
APPLICANT: AMBROSIUS, Dorothee
APPLICANT: BURTSCHER, Helmut
TITLE OF INVENTION: HESTOLYTICUM AND ITS USE FOR ISOLATING CELLS AND GROUPS OF CEL
NUMBER OF SEQUENCES: 20
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                  ö
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STREET: 655 15th St., N.W., Suite 330 - G St. Lobby
CITY: Washington
STATE: D.C.
## APPLICANT: Affymetrix, Inc.
## TITLE OF INVENTION: Methods of Genetic Analysis
## FILE REFERENCE: 3101.1
## CURRENT APPLICATION NUMBER: US/09/396,196G
## CURRENT FILING DATE: 1999-09-15
## RIOR APPLICATION NUMBER: 60/100,678
## RIOR APPLICATION UNMER: 60/100,678
## RILING DATE: 1998-09-17
## NUMBER OF SEQ ID NOS: 127806
## SOFTWARE: PASECEQ for Windows Version 4.0
## SEQ ID NO 108648
## LENGTH: 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GENERAL INFORMATION:
APPLICANT: Michael Mittmann
APPLICANT: David Mack
APPLICANT: David Lockhart
APPLICANT: Affymetrix, Inc.
TITLE OF INVENTION: Methods of Genetic Analysis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FILE REFERENCE: 3101.1
CURRENT APPLICATION NUMBER: US/09/396,196G
CURRENT FILING DATE: 1999-09-15
FRIOR APPLICATION NUMBER: 60/100,678
PRIOR FILING DATE: 1998-09-17
NUMBER OF SEQ ID NOS: 127806
SOFTWARE: FBSESEQ for Windows Version 4.0
SEQ ID NO 119803
LENGTH: 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0.4%; Score 18.8; D
90.9%; Pred. No. 53;
tive 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                     0.4%; Score 18.8; E
90.9%; Pred. No. 53;
tive 0; Mismatches
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Best Local Similarity 90.9
Matches 20; Conservative
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Best Local Similarity 90.9
Matches 20; Conservative
                                                                                                                                                                                                                                                         TYPE: DNA
CORGANISM: mus musculus
US-09-396-196G-108648
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ORGANISM: mus musculus
US-09-396-196G-119803
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Query Match 0.4%; Score 18; DB 1; Length 18; Best Local Similarity 100.0%; Pred. No. 45; Matches 18; Conservative 0; Mismatches 0; Indels
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SEQUENCE DESCRIPTION: SEQ ID NO: 18:
US-10-352-704-18
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ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC COMPA:
SOFTWARE: ASII (text)
CURRENT APPLICATION NATA:
APPLICATION NUMBER: US/08/525,864A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TOPOLGGY: linear
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
FRAGMENT TYPE: N-terminal
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: nucleic acid
STRANDEDNESS: single
                                                ZIP: 20004
COMPUTER READABLE FORM:
                               COUNTRY: U.S.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CITY: Boston
STATE: Massachusetts
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-08-525-864A-15
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TITLE OF INVENTION: Process for Preparing Polynucleotides on a Solid Support and Apparatus Permitting its
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                                                                                                                                                                                                                              ZIP: 20004

COMPUTER READABLE FORM:
    MEDIUM TYPE: Floppy disk
    COMPUTER: IBM PC compatible
    OPERATING SYSTEM: PC-DOS/MS-DOS
    SOFTWARE: Patentin Release #1.0, Version #1.25
    CURRENT APPLICATION DATE:
    APPLICATION NUMBER: 28-Jan-2003
    CLASSIFICATION: 536
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                                                                                                                       Holman & Stern
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CORRESPONDENCE ADDRESS:
ADDRESSEE: Jacobson, Price, Holman & Stern
STREET: 400 Seventh St. N.W.
CITY: Washington D.C
                                                                                                                                                                                                                                                                                                                                                                                                                                                       CLASSIF LATILON: 230
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/358,556A
FILING DATE: 14-DEC-1994
APPLICATION NUMBER: FR 9315164
APPLICATION NUMBER: FR 9315164
FILING DATE: 16-DEC-1993
ATTORNEY AGENT INPORMATION:
NAMB: Player, William E.
REGISTRATION NUMBER: 10577/P58418
TELEFRENCE/DOCKET NUMBER: 10577/P58418
TELEFRANCATION: (202) 638-6666
TELEFRANCE (202) 639-5350
TELEFAX: (202) 639-5350
TELEFAX: RCA 24859 IDEA UR
INPORMATION POR SEQ ID NO: 12:
SEQUENCE CHARACTERISTICS:
LENGTH: 18 base pairs
TYPE: nucleic acid
TYPE: nucleic acid
STRANDEDNESS: single
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SEQUENCE DESCRIPTION: SEQ ID NO: 12:
                                                                                            CORRESPONDENCE ADDRESS:
ADDRESSEE: Jacobson, Price,
STREET: 400 Seventh St. N.W.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 18, Application US/10352704
Patent No. 685339
GENERAL INFORMATION:
APPLICANT: Chatelain, Francois
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   5025 AAAAAAAAAAAAAAAA 5042
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MOLECULE TYPE: DNA (genomic)
                                                                                                                                                                 CITY: Washington D.C STATE: D.C COUNTRY: U.S.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       HYPOTHETICAL: NO
ANTI-SENSE: NO
FRAGMENT TYPE: N-terminal
FEATURE:
                                                                      NUMBER OF SEQUENCES: 31
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NAME/KEY: CDS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-10-352-704-18
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Gaps
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Patent No. 5912326
GENERAL INFORMATION:
APPLICANT: Chang, Han
TITLE OF INVENTION: Related thereto
NUMBER OF SEQUENCES: 18
CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE & COCKPIELD
STREET: 28 State Street
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COMPUTER KEADABLE FORM

MEDIUM TYPE: IBM PC compatible
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
COMPUTER: Data PC-DOS/MS-DOS
SOFFWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09352,704
FILING DATE: 38-Jan-2003
CLASSIFICATION DATA:
APPLICATION NUMBER: US/08/358,556A
FILING DATE: 14-DEC-1994
APPLICATION NUMBER: RP 9315164
APPLICATION NUMBER: RP 9315164
APPLICATION NUMBER: RP 9315164
APPLICATION NUMBER: RP 9315164
TELERATION NUMBER: 10-DC-1993
ATTORNEY/AGENT INFORMATION:
NAME: P19AFF, William E.
REFERENCE/DOCKET NUMBER: 10577/P58418
TELEFAX: (202) 638-666
TELEFAX: (202) 638-6369
INFORMATION FOR SEQ ID NO: 18:
SEQUENCE CHARACTERISTICS:
TENTH: 18 base pairs
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4370 La Jolla Village Drive, Suite 700
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19-MAR-1996
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             16 CAGGAATTCGGCACGAG 32
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TELEPHONE: (619) 535-9001
TELEFAX: (619) 535-8949
INFORMATION FOR SEQ ID NO: 6: SECUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CITY: San Diego
STATE: California
COUNTRY: United States
                                          California
: United States
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Best Local Similarity 100.
Matches 17; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  single
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           STRANDEDNESS: Sil
                                                                                   92122
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                                          STATE: CE
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Patent No. 6770633
GENERAL INFORMATION:
APPLICANT: Robbins, Joan M.
APPLICANT: Tritz, Inchard
TITLE OF INVENTION: RIBOZYME THERAPY FOR THE TREATMENT OF PROLIFERATIVE
TITLE OF INVENTION: SKIN AND EYE DISEASES
FILE REFERENCE: 480124407
CURRENT APPLICATION NUMBER: US/09/696,791
CURRENT FILING DATE: 2000-10-25
NUMBER OF SEQ ID NOS: 4523
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 1273
LENGTH: 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TITLE OF INVENTION: Mch4 and Mch5, Apoptotic Proteases, TITLE OF INVENTION: Nucleic Acids Encoding and Methods of Use
                                                                                                                                                                                                                                                                                                                                                                                           DB 1; Length 19;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           DB 1; Length 19
                                                                                                                                                                                                                                                                                                                                                                                                                                      Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ; OTHER INFORMATION: Cdk-we-hu ribozyme binding site
US-09-696-791-1273
                                                                                                                                                                                                                                                                                                                                                                                         Query Match 0.3%; Score 17.4; D
Best Local Similarity 94.7%; Pred. No. 58;
Matches 18; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match 0.3%; Score 17.4; 18est Local Similarity 94.7%; Pred. No. 58; Matches 18; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-08-665-220-6
; Sequence 6, Application US/08665220
; Patent No. 5786173
; GENERAL INFORMATION:
; APPLICANT: Alnemri, Emad S.
; APPLICANT: Fernandes-Alnemri, Teresa
; APPLICANT: Litwack, Gerald
; APPLICANT: Armstrong, Robert
; APPLICANT: Tomaselli, Kevin
                  CLASSIFICATION: 530
ATTONEY/AGENT INFORMATION:
NAME: KATA, CALHATION J.
REGISTRATION NUMBER: 41,106
REFERENCE/DOCKET WUMBER: HUI-017
TELECOMMUNICATION INFORMATION:
TELECHONE: (617)227-7400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CORRESPONDENCES: 70
CORRESPONDENCE ADDRESS:
ADDRESSEE: Campbell & Flores LLP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1215 AGATCCTTCAACTCCGCTT 1233
                                                                                                                                                                                                                                                                                                     TOPOLOGY: linear MOLECULE TYPE: oligonucleotide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               19 GAATTCGGCACGAGGGGAG 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         19 AGATCCTTCAACTCTGCTT 1
                                                                                                                                                                TELERAX: (617)742-4214
INFORMATION FOR SEQ ID NO: 15
SEQUENCE CHARACTERISTICS:
LENGTH: 19 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
8-SEP-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: DNA ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-09-696-791-1273/c
                                                                                                                                                                                                                                                                                                                                                US-08-525-864A-15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       FEATURE:
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Sequence 6, Application US/08618408B
Patent No. 5851815
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Alnemi, Emad S.
APPLICANT: Litwack, Gerald
APPLICANT: Tomaselli, Kevin
TITLE OF INVENTION: McM4 and Mch5, No. 5851815el Apoptotic
TITLE OF INVENTION: Proteases, Nucleic Acids Encoding and Methods of Use COUNTESPED CONTESSEE: Campbell and Plores
STREEF: 4370 La Jolla Village Drive, Suite 700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0.3%; Score 17; DB 1; Length 17;
100.0%; Pred. No. 57;
cive 0; Mismatches 0; Indels
COMPUTER FRADABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: Ploppy disk
COMPUTER: Ploppy disk
COMPUTER: Ploppy disk
COMPUTER: Patentln BPC-DOS/MS-DOS
SOFTWARE: Patentln Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/665,220
FILING DATE: 14-JUN-1996
CLASSIFICATION: A35
PRICA APPLICATION DATA:
APPLICATION NUMBER: US 08/618,408
FILING DATE: 19-MAR.1996
FILING DATE: 19-MAR.1996
ATTORNEY/AGENT INFORMATION:
NAME: Campbell, Cathryn A.
REGISTRATION NUMBER: 91.815
REFERENCE/DOCKET NUMBER: 9-ID 2165
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
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CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/618.408R
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NAME/KEY: misc feature
LOCATION: 1..17
OTHER INFORMATION: /note= "SK-Zap"
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Gaps

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Litwack, Gerald
TITLE OF INVENTION: Apoptotic Protease Mch6, Nucleic Acids
Encoding Same and Methods of Use
                                                           Query Match 0.3%; Score 17; DB 1; Length 17; Best Local Similarity 100.0%; Pred. No. 57; Matches 17; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0.3%; Score 17; DB 1; Length 17;
100.0%; Pred. No. 57;
tive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CORRESPONDENCE ADDRESS:
ADDRESSEE: Campbell & Flores LLP
STREET: 4370 La Jolla Village Drive, Suite 700
CITY: San Diego
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION UNMBER: US/09/311,760
FILING DATE: 13-May-1999
CLASSIFICATION: <Unknown>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ATTORNEY AGENT INFORMATION:
NAME: Campbell, Cathryn A.
REGISCHRATTON WUMBER: 31,815
REFERENCE/DOCKET NUMBER: P-1D 2180
TELEPHONE: (619) 535-9849
TELEFRAX: (619) 535-9849
                                                                                                                                                                                                                                                                            RESULT 42
US-09-311760-5
US-09-311760-5
SEQUENCE 5. Application US/09311760
Patent No. 6274318
GENERAL INFORMATION:
APPLICANT: Alnemri, Emad S.
Fernandes-Alnemri, Teresa
Fernandes-Alnemri, Teresa
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/865,579
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ; SEQUENCE DESCRIPTION: SEQ ID NO: 5: US-09-311-760-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           RESULT 43
US-09-201-692-6
; Sequence 6, Application US/09291692
; Patent No. 6287795
; GENERAL INFORMATION:
; APPLICANT: Alnemri, Emad S.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   STATE: California
COUNTRY: United States
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              LENGTH: 17 base pairs
                                                                                                                                                                                        1 CAGGAATTCGGCACGAG 17
                                                                                                                                                          16 CAGGAATTCGGCACGAG 32
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1 cassaarrcsscacsas 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TELEFAX: (619) 535-9
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TOPOLOGY: linear MOLECULE TYPE: CDNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match 0.3
Best Local Similarity 100.
Matches 17; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NUMBER OF SEQUENCES:
                 US-09-257-218-5
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GENERAL INFORMATION:
APPLICANT: Alnemri, Emad S.
APPLICANT: Alnemri, Emad S.
APPLICANT: Extrandee-Alnemri, Teresa
APPLICANT: Litwack, Gerald
TITLE OF INVENTION: Apoptotic Protease Mch6, Nucleic Acids
TITLE OF INVENTION: Brocding Same and Methods of Use
NUMBER OF SEQUENCES:
ADDRESSEE: Campbell & Plores Lip
STREET: 4170 La Jolla Village Drive, Suite 700
CTTY: San Diego
STRATE: California
COUNTRY: United States
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      DB 1; Length 17;
57;
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COMPUTER READABLE FORM:
MEDIUW TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/257,218
FILING DATE: US/08/865,579
FILING DATE: 29-MAY-1997
ATTORNEY/AGENT INFORMATION:
NAME: Campbell, Cathryn A.
REGISTRATION NUMBER: 31,815
REFERENCE/DOCKET NUMBER: P-ID 2180
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 535-9649
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
TYPE: LENGTH: 17 base pairs
TYPE: LENGTH: 11 base pairs
TYPE: Innear
TYPE: Innear
TOPOLOGY: Linear
TOPOLOGY: Linear
TOPOLOGY: Linear
TOPOLOGY: Linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
0.3%; Score 17; DB
Best Local Similarity 100.0%; Pred. No. 57;
Matches 17; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                              NAME/KEY: misc feature

LOCATION: 1..17

; OTHER INFORMATION: /note= "SK-Zap"

US-08-618-408B-6
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Campbell, Cathryn A.
REGISTRATION NUMBER: 31,815
REFERENCE/DOCKET NUMBER: P-ID
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 535-9001
TELEFAX: (619) 535-9001
TELEFAX: (619) 535-849
INFORMATION FOR SEQ ID NO: 6: SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
TYPE: nucleic acid
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ; Sequence 5, Application US/09257218
; Patent No. 6271361
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 CAGGAATTCGGCACGAG 17
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                                                                                                                                                                                                                                                                                                                    TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RESULT 41
US-09-257-218-5
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Gaps

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GENERAL INFORMATION:
APPLICANT: Alnemri, Emad S.
APPLICANT: Fernandes-Alnemri, Teresa
APPLICANT: Fernandes-Alnemri, Teresa
APPLICANT: Termandes-Alnemri, Teresa
APPLICANT: Tomaselli, Kevin
APPLICANT: Tomaselli, Kevin
TITLE OF INVENTION: Mch3, A No. 6462175el Apoptotic Protease,
TITLE OF INVENTION: Nucleic Acids Encoding and Methods of Use
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0.3%; Score 17; DB 1; Length 17; 100.0%; Pred. No. 57;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COMPUTER READABLE FORM:

COMPUTER: Floppy disk
COMPUTER: Floppy disk
COMPUTER: Ploppy disk
COMPUTER: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/556,627A
FILLNG DATE: 13-NOV-1995
CLASSIFICATION: 435
Patentin Release #1.0, Version #1.25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                E: Campbell and Flores
4370 La Jolla Village Drive, Suite 700
                                      APPLICATION NUMBER: US/08/865,579
FILING DATE: 29-MAY-1997
CLASSIPTCATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Campbell, Cathryn A.
REGISTRATION NUMBER: P-ID 2180
TELEPHONE: (619) 535-9849
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
TYPE: nucleic acid
STRANDENESS: single
TOPPOLGY: 11 near
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 6, Application US/08556627A
Patent No. 6462175
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Best Local Similarity 100.0%; F
Matches 17; Conservative 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ATTORNEY AGENT INFORMATION:
NAME: Campbell, Cathryn A.
REGISTRATION NUMBER: 31,815
REFERENCE DOCKET NUMBER: P-1
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 535-901
TELEFAX: (619) 535-901
INFORMATION FOR SEQ ID NO: 6:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               16 CAGGAATTCGGCACGAG 32
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CITY: San Diego
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                       MOLECULE TYPE: CDNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADDRESSEE:
STREET: 43
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               JS-08-556-627A-6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-08-556-627A-6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-08-865-579-5
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GENERAL INFORMATION:
APPLICANT: Alnemari, Emad S.
APPLICANT: Alnemari, Emad S.
APPLICANT: Errandes-Alnemari, Teresa
APPLICANT: Litwack, Gerald
TITLE OF INVENTION: Apoptotic Protease Mch6, Nucleic Acids
TITLE OF INVENTION: Apoptotic Protease Mch6, Nucleic Acids
TITLE OF INVENTION: Encoding Same and Methods of Use
NUMBER OF SEQUENCES: 87
CORRESPONDENCE ADDRESS:
ADDRESSE: Campbell & Flores LLP
STREET: 4370 La Jolla Village Drive, Suite 700
CITY: San Diego
STATE: California
COUNTRY: United States
                      APPLICANT: Litwack, Gerald
APPLICANT: Armetrong, Robert
APPLICANT: Armetrong, Robert
APPLICANT: Armetrong, Robert
TITLE OF INVENTION: MCH4 AND MCH5, APOPTOTIC PROTEASE,
TITLE OF INVENTION: NUCLEIC ACIDS ENCODING AND METHODS OF USE
TOWNER OF SEQUENCES: 75
CORRESPONDENCE ADDRESS:
ADDRESSEE: SEED and BERRY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0.3%; Score 17; DB 1; Length 17; 100.0%; Pred. No. 57;
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                                                                                                                                                                                                                                                                                                                                                                                                                                SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/291,692
FILING DATE: 04-13-1999
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Christiansen, william T.
REGISTRATION NUMBER: 44,614
REFERENCE/DOCKET NUMBER: 480140.424C3
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                           E: SEED and BERRY
6300 Columbia Center, 701 Fifth Avenue
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ; Pred. No. 57;
0; Mismatches
Fernandes-Alnemri, Teresa
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ; LOCATION: 1..17
; OTHER INFORMATION: /note= "SK-Zap"
US-09-291-692-6
                                                                                                                                                                                                                                                                                                                                                                   MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 5, Application US/08865579
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     16 CAGGAATTCGGCACGAG 32
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TELEPHONE: (206) 622-4900
TELEPAX: (206) 682-6031
INFORMATION FOR SEQ ID NO: 6: SEQUENCE CHARACTERISTICS: LENGTH: 17 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ZIP: 92122
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatil
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NAME/KEY: misc feature LOCATION: 1..17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Best Local Similarity 100.
Matches 17; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                       COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                                                                   STREET: 6300 CC. CITY: Seattle STATE: Washington
                                                                                                                                                                                                                                                                                                             98104
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
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REFERENCE/DOCKET NUMBER: P-ID 1813
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 535-9001
TELEPAX: (619) 535-8949
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ; Sequence 6, Application US/10337060
; Patent No. 6716960
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ; FEATURE:
; OTHER INFORMATION: Primer SK-Zap
US-10-337-060-6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 16 CAGGAATTCGGCACGAG 32
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ORGANISM: Artificial Sequence
  Litwack, Gerald
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        LENGTH: 17 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TOPOLOGY: linear
APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US-09-163-099-6
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US-10-337-060-6
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                                                             Gaps
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                                                                                                                                                                                                                                                                                           APPLICANT: Alnemri, Emad S.

APPLICANT: Alnemri, Teresa
Litwack, Gerald

TITLE OF INVENTION: Apoptotic Protease Mch6, Nucleic Acids
Encoding Same and Methods of Use
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
COMPUTER: TEM PC compatible
CURRENT APPLICATION NUMBER: 1202
FILING DATE: 29-Jan-2002
CLASSIFICATION NUMBER: US/08/865,579
FILING DATE: 29-Jan-2002
APPLICATION NUMBER: US/08/865,579
FILING DATE: 20-MAY-1997
ATORNEY/AGENT INFORMATION:
NAME: Campbell, Cathryn A.
REGISTRATION NUMBER: 31,815
REFERENCE/DOCKET NUMBER: PID 2180
TELECHONE: (619) 535-9001
TELECHONE: (619) 535-9049
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LEBRARICH: Dase pairs
TYPE: INCIPATION PARAITS
                   DB 1; Length 17;
57;
                                                           0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0.3%; Score 17; DB 1; Length 17;
100.0%; Pred. No. 57;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                          CORRESPONDENCE ADDRESS:
ADDRESSEE: Campbell & Flores LLP
STREET: 4370 La Jolla Village Drive, Suite 700
              Query Match 0.3%; Score 17; DB Best Local Similarity 100.0%; Pred. No. 57; Matches 17; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         100.0%; Pred. ...
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US-10-059-749-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Fernandes-Alnemri, Teresa
                                                                                                                                                                                                                                      Sequence 5, Application US/10059749
Patent No. 6566505
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 6, Application US/09163099; Patent No. 6686459; GENERAL INFORMATION: APPLICANT: Alnemxi, Emad S. APPLICANT: Fernandes-Alnemxi, Te
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      STATE: California
COUNTRY: United States
                                                                                                                      1 CAGGAATTCGGCACGAG 17
                                                                                                 16 CAGGAATTCGGCACGAG 32
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                                                                                                                                                                                                                                                                                                                                                                                                         NUMBER OF SEQUENCES: 87
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TOPOLOGY: linear MOLECULE TYPE: cDNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Best Local Similarity 100.
Matches 17; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CITY: San Diego
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ZIP: 92122
                                                                                                                                                                                                                   US-10-059-749-5
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Gaps
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APPLICANT: Alnemri, Emad S.
APPLICANT: Alnemri, Emad S.
APPLICANT: Alnemri, Emad S.
APPLICANT: Fernandez-Alnemri, Teresa
APPLICANT: Iterack, Gerald
APPLICANT: Iterack, Gerald
APPLICANT: Tomastrong, Robert
APPLICANT: Tomaselli, Revin
TITLE OF INVENTION: MCH3 A NOVEL APOPTOTIC PROTEASE,
TITLE OF INVENTION: MCH3, A NOVEL APOPTOTIC PROTEASE,
TITLE OF INVENTION: MCH3, A NOVEL APPLICANT
CURRENT APPLICATION NUMBER: US/10/337,060
CURRENT APPLICATION NUMBER: US/10/337,060
CURRENT FILING DATE: 2003-01-02
NUMBER OF SEQ ID NOS: 17
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 6
LENGTH: 17
APPLICANT: Armstrong, Robert
APPLICANT: Tomaselli, Kevin
ITIZE OF INVENTION: Mch3, A No. 6686459el Apoptotic Protease,
TITLE OF INVENTION: Nucleic Acids Encoding and Methods of Use
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
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                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER FRADABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: EN PC Compatible
COMPUTER: EN PC Compatible
COMPUTER: EN PC Compatible
COMPUTER: EN PC COMPATIBLE
COPERATION SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATENTION DATA:
APPLICATION NUMBER: US/09/163,099
FILING DATE:
CLASSIFICATION DATA:
APPLICATION NUMBER: US 08/556,627
FILING DATE: 13-NOV-1995
ATTOMNEY/AGENT INFORMATION:
RAME: Campbell, Cathryn A.
RAGISTRATION NUMBER: 31,815
REGISTRATION NUMBER: 31,815
REGISTRATION NUMBER: 31,815
                                                                                                                                                                                          ADDRESSEE: Campbell and Flores
STREET: 4370 La Jolla Village Drive, Suite 700
CITY: San Diego
STATE: California
COUNTRY: USA
ZIP: 92122
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APPLICANT: Cech, Thomas R.
Lingner, Joachim
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TELEFAX: (415) 576-03
INFORMATION FOR SEQ ID NO: 132:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                  CITY: San Francisco
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            17 AAAAAAAAAAAAAA 1
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US-08-319-590-23/c
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                                                              Gaps
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                                                                                                                                                                                                                                                                                                                                                                  Armstrong, Robert
Tomaselli, Kevin
TITLE OF INVENTION: MCH4 AND MCH5, APOFTOTIC PROTEASE,
NUCLEIC ACIDS ENCODING AND METHODS OF USE
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MEDIUM TYPE: Floppy disk
COMPUTER: ISOPY disk
COMPUTER: OFFICE COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/952,768 .
FILING DATE: 10-Sep-2001
CLASSIFICATION: <Unknown>
                   DB 1; Length 17; 57;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 17;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                         NUMBER OF SEQUENCES: 75
CORRESPONDENCE ADDRESS:
ADDRESSEE: Seed Intellectual Property
STREET: Suite 6300, 701 Fifth Avenue
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ATTORNEY/AGENT INFORMATION:
NAME: Christiansen, William T.
REGISTRATION NUMBER: 44,614
REFERENCE/DOCKET NUMBER: 480140.424C4
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
TELEPHONE: (206) 682-6031
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 17; DB 1;
Pred. No. 57;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NAME/KEY: misc_feature
LOCATION: 1..17
OTHER INFORMATION: /note= "SK-Zap"
SEQUENCE DESCRIPTION: SEQ ID NO: 6:
                 Query Match 0.3%; Score 17; DB Best Local Similarity 100.0%; Pred. No. 57; Matches 17; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Mismatches
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US-09-766-253-132/c
; Sequence 132, Application US/09766253
; Batent No. 6808880
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                            APPLICANT: Alnemri, Emad S.
Fernandes-Alnemri,
Litwack, Gerald
                                                                                                                                                                                                                        US-09-952-768-6; Sequence 6, Application US/09952768; Patent No. 6730779; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match 0.3%; Soc
Best Local Similarity 100.0%; P:
Matches 17; Conservative 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
                                                                                                                                          1 cassaarrcsscacsas 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CITY: Seattle
STATE: Washington
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         OPOLOGY: linear
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Patent No. 5646115
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: WU HUNTER, SHIRLEY
APPLICANT: WALLENFELS, LYNDA
TITLE OF INVENTION: NOVEL ECTOPARASITE SALIVA PROTEINS AND
TITLE OF INVENTION: APPARATUS TO COLLECT SUCH PROTEINS
NUMBER OF SEQUENCES: 26
CORRESPONDENCE ADDRESS:
ADDRESSEE: SHERIDAN ROSS & MCINTOSH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 17;
                                                                                                                                                                                                                                                                      ZIP: 9411
COMPUTER READABLE FORM:
MEDIUM TYPE: FLOSDY disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
Morin, Gregg B.
Harley, Calvin
Andrews, William H.
TITLE OF INVENTION: No. 6808880el Telomerase
NUMBER OF SEQUENCES: 171
CORRESPONDENCE ADDRESSS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, 8th Floor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PRIOR APPLICATION DATA:

APPLICATION NUMBER: 06/4-25

APPLICATION NUMBER: 08/724,643

FILING DATE: 1997-04-25

ATOMESYAGENT INFORMATION:

NAME: Apple, Randolph T.

REPERRECE/DOCKET NUMBER: 36,429

REPERRECE/DOCKET NUMBER: 36,429

TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match 0.3%; Score 17; DB 1; Best Local Similarity 100.0%; Pred. No. 57; Matches 17; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                               CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/766,253
FILING DATE: 19-Jan-2001
CLASSIFICATION: <Unknown>
                                                                                                                                                                                                                                                         COUNTRY: United States of America
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TOPOLOGY: BINGLE
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SEQUENCE DESCRIPTION: SEQ ID NO: 132:
US-09-766-253-132
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1700 LINCOLN ST., SUITE 3500
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CITY: DENVE
STATE: CO
COUNTRY: US.
ZIP: 80203
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5069 AGGGGGGCCCGGTACC 5085
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                                                                                                                                                                                 20 AGGGGGGCCCGGTACC 4
   i TOPOLOGY: linear
i MOLECULE TYPE: DNA (primer)
US-08-487-001A-23
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Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CITY: Denver
STATE: Colorad
COUNTRY: U.S.A
ZIP: 80203
                                                                                                                                                                                                                                                       US-08-630-822A-23/c
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COUNTRY: ...

ZIP: 80203

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PACENTIN Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION WUMBER: US/08/487,001A
FILING DATE: 07-UN-1995
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Verser, Carol Talkington
REGISTRATION NUMBER: 37,459
REFERENCE/DOCKET NUMBER: 2618-17-C2
TELECOMMUNICATION INDEMATION:
TRIEPHONE: A33-0223
         MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/319,590
                                                                                                                 TILING DATE: US/US/SIS/SIS/SIS/SIS/ING
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: VERSER, CAROL TALKINGTON
REGISTRATION NUMBER: 37,459
REPERENCE/DOCKET NUMBER: 2618-17
TELECOMMUNICATION INFORMATION:
TELEPHONE: 303/863-9700
TELEPHONE: 303/863-023
INFORMATION FOR SEC ID NO: 23:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 base pairs
TYPE: nucleic acid
STRENDEDNESS: Single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      5069 AGGGGGGCCCGGTACC 5085
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TELEFAX: (303) 863-0223
INFORMATION FOR SEQ ID NO: 23:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          20 AGGGGGGCCCGGTACC 4
                                                                                                                                                                                                                                                                                                                                                                          ; TOPOLOGY: linear
; MOLECULE TYPE: DNA (primer)
US-08-319-590-23
COMPUTER READABLE FORM:
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                                                                                                                                                                                                                                                                                                Sequence 23. Application US/08630822A
Patent No. 5840695
GENERAL INFORMATION:
APPLICANT: FRANK, GLENN R.
APPLICANT: WALLENFEL, LYNDA
TITLE OF INVENTION: NOVEL ECTOPARASITE SALIVA PROTEINS
TITLE OF INVENTION: AND APPARATUS TO COLLECT SUCH PROTEINS
NUMBER OF SEQUENCES: 107
CORRESPONDENCE ADDRESS:
ADDRESSEE: Sheridan Ross P.C.
STREET: DIVID Lincoln Street, Suite 3500
Query Match 0.3%; Score 17; DB 1; Length 20; Best Local Similarity 100.0%; Pred. No. 69; Matches 17; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0.3%; Score 17; DB 1; Length 20; 100.0%; Pred. No. 69; 0; Indels tive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: Ploppy disk
COMPUTER: Ploppy disk
COMPUTER: Ploppy disk
COMPUTER: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/630,822A
FILING DATE: 11-APR-1996
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: CONNELL, GARY J.
REGISTRATION NUMBER: 32,020
REFERENCE/DOCKET NUMBER: 2618-17-C3
TELEPONE: (303) 863-9700
TELEPONE: (303) 863-9700
TELEPONE: (303) 863-9700
TELEPONE: (303) 863-9700
TELEPONE: (303) 863-9223
INFORMATION FOR SEQ ID NO: 23:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 base pairs
TYPE: MUCLEIC acid
FYPE: MUCLEIC acid
FYPE: MUCLEIC acid
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Patent No. 5927230
GENERAL INFORMATION:
APPLICANT: FRANK, GLENN R.
APPLICANT: WU HUNTER, SHIRLEY
APPLICANT: WALLENFELS, LYNDA
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RESULT 56
US-09-467-642-10/c
'Sequence 10, Application US/09467642
'Petrent No. 6300132
                      ATTORNEY/AGENT INFORMATION:
NAME: CONNELL, GARY J.
REGISTRATION NUMBER: 32,020
REFERENCE/DOCKET NUMBER: 2618.
TELECHAUNICATION INFORMATION:
TELECHAUNICATION INFORMATION:
TELEFAX: (303) 863-9700
TELEFAX: (303) 863-9700
TELEFAX: (303) 863-023
INFORMATION FOR SEQ ID NO: 23:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                          5069 AGGGGGGCCCGGTACC 5085
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          18 GGAATTCGGCACGAGGG 34
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ORGANISM: Artificial Sequence
FEATURE:
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                                                                                                                                                                                                                                                                                                , MOLECULE TYPE: DNA (primer) US-09-005-069-23
      FILING DATE: 11-APR-1996
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California
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US-08-882-046-44
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ;
TITLE OF INVENTION: NOVEL ECTOPARASITE SALIVA PROTEINS AND TITLE OF INVENTION: APPARATUS TO COLLECT SUCH PROTEINS NUMBER OF SEQUENCES: 26 CORRESPONDENCE ADDRESS: ADDRESS: ADDRESSE: SHERIDAN ROSS & MCINTOSH STREET: 1700 LINCOLN ST., SUITE 3500 CITY: DENVER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 23, Application US/09005069

Patent No. 5332470

GENERAL INFORMATION:
APPLICANT: FRANK, GLENN R.
APPLICANT: WALLENEELS, LINN R.
APPLICANT: WALLENEELS, LIND APPLICANT:
TITLE OF INVENTION: NOVEL ECTOPRASITE SALIVA PROTEINS
TITLE OF INVENTION: AND APPARATUS TO COLLECT SUCH PROTEINS
NUMBER OF SEQUENCES:
ADDRESSEE: Sheridan ROSS P.C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0.3%; Score 17; DB 1; Length 20; 100.0%; Pred. No. 69; tive 0; Mismatches 0; Indels
                                                                                                                                                                                                           COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/711,905
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/005,069
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     E: Sheridan Ross P.C.
1700 Lincoln Street, Suite 3500
                                                                                                                                                                                                                                                                                                                                                            FILING DATE:
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: VERSER, CAROL TALKINGTON
REGISTRATION NUMBER: 37,459
REFERNCE/DOCKET NUMBER: 2618-17
TELECOMMUNICATION:
TELEPHONE: 303/863-9700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/630,822
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    5069 AGGGGGGCCCGGTACC 5085
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TELEFAX: 303/863-0223
INFORMATION FOR SEQ ID NO: 23:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          20 AGGGGGGCCCGGTACC 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MOLECULE TYPE: DNA (primer)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         17; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        303/863-0223
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    nucleic acid
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Matches 17; Conservat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Colorado
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COUNTRY: U.S.A. ZIP: 80203
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         STREET: 1700 I
CITY: Denver
STATE: Colorad
                                                                                                                                                 STATE: CO
COUNTRY: US
ZIP: 80203
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT 55
US-09-005-069-23/c
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GENERAL INFORMATION:
APPLICANT: Brett P. Monia
APPLICANT: Lex M. Cowsert
TITLE OF INVENTION: ANTISENSE MODULATION OF TELOMERIC REPEAT BINDING FACTOR 2 EXPRESS
CURRENT APPLICATION NUMBER: US/09/467,642
CURRENT FILING DATE: 1999-12-20
NUMBER OF SEQ ID NOS: 89
SEQ ID NO 10
LENGTH: 20
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                                                                                   Gaps
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Patent No. 6136952
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Li. Linheng
APPLICANT: Krantz, Ian D.
TITLE OF INVENTION: Human Jagged Polypeptide, Encoding
TITLE OF INVENTION: Nucleic Acids and Methods of Use
NUMBER OF SEQUENCES:
CORRESPONDENCE ADDRESS:
ADDRESSEE: Campbell & Flores LLP
                                Length 20;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 0.3%; Score 17; DB 1; Length 20; Best Local Similarity 100.0%; Pred. No. 69; Matches 17; Conservative 0; Mismatches 0; Indels
                                                                                   0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               E: Campbell & Flores LLP
4370 La Jolla Village Drive, Suite 700
                             Score 17; DB 1;
Pred. No. 69;
Query Match 0.3%; Score 17; UB
Best Local Similarity 100.0%; Pred. No. 69;
1 Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ) OTHER INFORMATION: Antisense Oligonucleotide US-09-467-642-10
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US-08-980-071-52
| Sequence 52, Application US/08980071
| Patent No. 59143108|
| Patent No. 59143108|
| Patent No. 59143108|
| APPLICANT: Baum, James A. APPLICANT: Gliner, Amy Jolen APPLICANT: Metus, Anne-Marie Light APPLICANT: Metus, Anne-Marie Light TITLE OF INVENTION: TRANSGENIC PLANTS EXPRESSING TITLE OF INVENTION: LEPIDOPTERAN-ACTIVE-DELTA-ENDOTOXINS NUMBER OF SEQUENCES: 76
| CORRESPONDENCE ADDRESS: ADDRESSEE: ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match 0.3%; Score 16.8; DB 1; Length 20; Best Local Similarity 90.0%; Pred. No. 74; Matches 18; Conservative 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATENTIN Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/980,071
FILING DATE: CONCURTENTLY Herewith
CLASSIFICATION: 435
PRIOR APPLICATION 1435
PRIOR APPLICATION NUMBER: US 08/757,536
FILING DATE: 27-NOV-1996
ATTONINY/AGENT INPORMATION:
ANAMERICATION NUMBER: DESCRIPTION NUMBER: DESCRIPTION NUMBER: US 08/757,536
ATTONINY/AGENT INPORMATION:
REGISTRATION NUMBER: 31,815
REFERENCE/DOCKET NUMBER: P-UW 4164
TELECOMMUNICATION INFORMATION:
TELEPHONE: (858) 535-9001
TELEPHONE: (858) 535-849
INFORMATION FOR SEQ ID NO: 44:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ); NAME/KEY: exon
; LOCATION: 11..20
; SEQUENCE DESCRIPTION: SEQ ID NO: 44:
US-09-566-047-44
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REGISTRATION NUMBER: 33,928
REGISTRATION NUMBER: 33,928
TELECOMMUNICATION INFORMATION:
TELEPHONE: 512/418-3000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        622 TATTTTCAGATATTCATGA 641
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INFORMATION FOR SEQ ID NO: 5
SEQUENCE CHARACTER.STICS:
LENGTH: 22 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   intron
1..10
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NAME/KEY:
LOCATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CITY: Houston
STATE: Texas
COUNTRY: USA
ZIP: 77210
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ð
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Hod, Leroy
Krantz, Ian D.
Spinner, Nancy B.
TITLE OF INVENTION: Methods of Diagnosing Alagille Syndrome
NUMBER OF SEQUENCES: 110
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ö
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CORRESPONDENCE ADDRESS ADDRESSES CAMPBELL & FLORES LLP
STREET: 4370 La Jolla Village Drive, Suite 700
STRATE: California
COUNTRY: USA
ZIP: 92122
COMPUTER READBLE FORM:
MEDLUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
COMPUTER: DATE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
CLASSIFICATION: <UNKNOWN->
                                                                         CAPPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: EM PC compatible
COMPUTER: EM PC compatible
CORREATION SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/882,046
FILING DATE: 25-JUN-1997
CLASSIFICATION: 23-6
ATTORNEY/AGRAT INFORMATION:
NAME: Campbell, Cathryn A.
REGISTRATION NUMBER: P-UW 2637
TELEPHONE: (619) 535-9001
TELEPHONE: (619) 535-9001
TELEPHONE: (619) 535-9001
TELEFAX: (619) 535-9049
INFORMATION FOR SEQ ID NO: 44:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 base pairs
TYPE: MICLAL ACADA A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/882,046
FILING DATE: 25-JUN-1997
ATTORNEY/AGENT INFORMATION:
NAME: Campbell, Cathryn A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 44, Application US/09566047
Patent No. 6703198
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        622 TATTTTCAGATATTCATGA 641
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Best Local Similarity 90.0
Matches 18; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TOPOLOGY: linear MOLECULE TYPE: CDNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NAME/KEY: intron
LOCATION: 1..10
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; LOCATION:
US-08-882-046-44
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US-09-566-047-44
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Gaps

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to Lepidopteran Insects and Methods for
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 52, Application US/09250848

Sequence 52, Application US/09250848

Patent No. 6153814

GENERAL INPORMATION:
APPLICANT: Baum, James A.
APPLICANT: Glimer, Amy Jelen
APPLICANT: Mettus, Anne-Marie Light
TITLE OF INVENTION: Bacillus thuringiensis CrylC
TITLE OF INVENTION: Compositions Toxic to Lepidopter;
TITLE OF INVENTION: Making CrylC Mutants
NUMBER OF SEQUENCES:
CORRESPONDENCE ADDRESS:
ADDRESSEE: Arnold, White and Durkee
STREET: P.O. Box 4433
                                                                                                                                                   COMPUTER READABLE FORM:

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/314,093
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COUNTRY: USA
ZIP: 77210-4433
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/250,848
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0; Mismatches
                                                                                                                                                                                                                                                                                                                                                  CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/980,071
FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 GGATCCCCCGGGCTGCAGGA 20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                ATTORNEY/AGENT INFORMATION:
NAME: Kitchell, Barbara S.
REGISTRATION NUMBER: 33,928
REFERENCE/DOCKET NUMBER: ME
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TELEFAX: 512/474-7577
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 22 Dasse pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           18; Conservative
                         CORRESPONDENCE ADDRESS:
ADDRESSEE: Arnold, Wh.
STREET: P.O. Box 4433
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            nucleic acid
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CLASSIFICATION:
PRIOR APPLICATION DATA:
    NUMBER OF SEQUENCES:
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Matches 18; Conserva
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TOPOLOGY: linear
                                                               STREET: P.O. BCCITY: Houston STATE: Texas COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CITY: Houston
STATE: TX
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     STRANDEDNESS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-09-314-093-52
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                                                                                                                                                                                                                                                                            Patent No. 594264

Sequence 52, Application US/08757536

GENERAL INFORMATION:

RAPLICANT: Baum, James A.

APPLICANT: Mettus, Anne-Marie Light
TITLE OF INVENTION: Bacillus thuringlensis CrylC
TITLE OF INVENTION: Making CrylC Mutants
NUMBER OF SEQUENCES: 57

CORRESPONDENCE ADDRESS:

ADDRESSE: ANDDRESSES:

ADDRESSES: Annold, White and Durkee
STREET: P.O. Box 4433

CITY: Houston
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                                                                                           Gaps
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                                     Query Match

0.3%; Score 16.8; DB 1; Length 22;
Best Local Similarity 90.0%; Pred. No. 82;
Matches 18; Conservative 0; Mismatches 2; Indels
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Sequence 52, Application US/09314093
Sequence 52, Application US/09314093
Sequence 52, Application US/09314093
GENERAL INFORMATION:
APPLICANT: Baum, James A.
APPLICANT: Gilmer, Amy Jelen
APPLICANT: Metrus, Anne-Maxic Light
APPLICANT: Metrus, Anne-Maxic Light
TITLE OF INVENTION: TRANSGENIC PLANTS EXPRESSING
TITLE OF INVENTION: LEPIDOPTERAN-ACTIVE-DELTA-ENDOTOXINS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOCTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/757,536
FILING DATE: CONCURRENTLY HEREWITH
CLASSIFICATION: 800
ATTORNEY AGENT INFORMATION:
NAME: Kitchell, Barbara
REFERENCE/DOCKET NUMBER: MOBT:023
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION SEQ 1D NO: 52:
SEQUIDOR CRARACTERISTICS:
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90.0%; Pred. No. 82;
tive 0; Mismatches
                                                                                                                                  1 GGATCCCCCGGGCTGCAGGA 20
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Best Local Similarity 90.0
Matches 18; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ZIP: 77210-4433
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy o
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             linear
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US-08-980-071-52
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                 Gaps
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                                                                                                                                                                                                  Sequence 52, Application US/09337635
Patent No. 6313378
GENERAL INFORMATION:
APPLICANT: Baum, James A.
Gilmer, Amy Jelen
Mettus, Anne-Warie Light
Mettus, Anne-Warie Light
LEPIDOPTERAN-ACTIVE-DELTA-ENDOTOXINS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 22;
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Patent No. 6423828

GENERAL INFORMATION:

APPLICANT: Balum, James A.

APPLICANT: Gilmer, Amy Jelen

APPLICANT: Mettus, Anne-Marie Light

TITLE OF INVENTION: LEPIDOPTERAN-ACTIVE-DELTA-ENDOTOXINS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Indels
                 Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ZIP: 77210
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATURG SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
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Pred. No. 82;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      FILING DATE: <UNKNOMN>
ATTORNEY/AGENT INFORMATION:
NAME: Kitchell, Barbara S.
REGISTRATION NUMBER: 33,928
REPERENCE/DOCKET NUMBER: MECO:206
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0; Mismatches
90.0%; Pred. No. 82; tive 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                   CORRESPONDENCE ADDRESS:
ADDRESSEE: Arnold, White & Durkee
STREET: P.O. Box 4433
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/337,635
FILING DATE: 21-Jun-199
CLASSIFICATION: <UNKnown>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TOPOLOGY: linear SEQUENCE DESCRIPTION: SEQ ID NO: 52: US-09-337-635-52
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/980,071
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 GGATCCCCCGGGCTGCAGGA 20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TELEPHONE: 512/418-3000
TELEFAX: 512/474-7577
INFORMATION FOR SEQ ID NO: 52:
                                                                                                  1 GGATCCCTCGAGCTGCAGGA 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   LENGTH: 22 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0.3%;
                                                                                                                                                                                                                                                                                                                                                                  NUMBER OF SEQUENCES: 76
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match 0.3
Best Local Similarity 90.0
Matches 18; Conservative
                     18; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         STATE: Texas
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COUNTRY: USA
Best Local Similarity
Matches 18; Conserva
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US-09-337-635-52
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APPLICANT: Gilmer, Amy Jelen
APPLICANT: Gettus, Anne-Marie Light
TITLE OF INVENTION: Bacillus thuringiensis CrylC
TITLE OF INVENTION: Compositions Toxic to Lepidopteran Insects and Methods for
TITLE OF INVENTION: Making CrylC Mutants
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                                                                                                                                                                                                                                                                                                                                                     DB 1; Length 22;
                                                                                                                                                                                                                                                                                                                                                                                              2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SOFTWARE: Patentin Release #1.0, Version #1.30 CURENT APPLICATION DATA:
APPLICATION NUMBER: US/09/251,885
                                                                                                                                                                                                                                                                                                                                                        ; Score 16.8; DB
; Pred. No. 82;
0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ATTORNEY AGENT INCORMATION:
NAME: Kitchell, Barbara
REGISTRATION NUMBER: 33,928
REFERENCE/DOCKET NUMBER: MODT:023
TELECOMONICATION INFORMATION:
TELEFAX: (512) 418-3000
TELEFAX: (512) 474-7577
INFORMATION FOR SEQ ID NO: 52:
SEQUENCE CHARACTERISTICS:
LENGTH: 22 base pairs
ITYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
                                                                  NAME: Kitchell, Barbara
REGISTRATION NUMBER: 33,928
REPERENCE/DOCKET NUMBER: MOBT:023
TELEPHONE: (512) 474-757
INFORMATION FOR SEQ ID NO: 52: SEQUENCE CHARACTERISTICS: LENGALION FOR SEQ ID NO: 52: SEQUENCE CHARACTERISTICS: LENGALION FOR SEQ ID NO: 57: STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NUMBER OF SEQUENCES: 57
CORRESPONDENCE ADDRESS:
ADDRESSE: Arnold, White and Durkee STREET: P.O. Box 4433
CITY: Houston
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/757,536
          US/08/757,536
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COUNTRY: USA
ZIP: 77210-4433
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 52, Application US/09251885
Patent No. 6177615
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                       1 GGATCCCCCGGGCTGCAGGA 20
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                                               ATTORNEY/AGENT INFORMATION:
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Best Local Similarity 90.03
Matches 18; Conservative
          APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                  linear
                                                                                                                                                                                                                                                                                                    ;
TOPOLOGY:
US-09-250-848-52
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-09-251-885-52
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                    2; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match 0.3%; Score 16.8; I
Best Local Similarity 90.0%; Pred. No. 82;
Matches 18; Conservative 0; Mismatches
                                                                                          NAME: Kitchell, Barbara S.
REGISTRATION NUMBER: 33,928
REFERENCE/DOCKET NUMBER: MECO:206
                                                                                                                                                                                                                                                                                                               ; TOPOLOGY: linear; SEQUENCE DESCRIPTION: SEQ ID NO: 52: US-09-972-175-52
                           APPLICATION NUMBER: 09/337,635
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                       TELECOMMUNICATION INFORMATION
TELEPHONE: 512/418-3000
TELEFAX: 512/474-7577
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 52, Application US/10200522 Patent No. 6825006
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 GGATCCCCCGGGCTGCAGGA 20
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Patent No. 6828142.
GENERAL INFORMATION:
APPLICANT: Barbera-Gulllem, Emilio
APPLICANT: Nelson, M. Bud
                                                                                                                                                                                                                    INFORMATION FOR SEQ ID NO: 52:
SEQUENCE CHARACTERISTICS:
LENGTH: 22 base pairs
                                                                                                                                                                                                                                                                                      TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: DNA
ORGANISM: Artificial Sequence
         PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Best Local Similarity 90.03
Matches 18; Conservative
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US-09-904-744-2/c
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Glimer, Amy Jelen
Glimer, Anne-Marie Light
Mettus, Anne-Marie Light
TITLE OF INVENTION: TRANSCENIC PLANTS EXPRESSING
LEPIDOPTERAN-ACTIVE-DELTA-ENDOTOXINS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     DB 1; Length 22;
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COMPUTER: IBW PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/972,175
FILING DATE: 05-Oct-2001
CLASSIFICATION: <unvent.
                                                                                                                                                                  COMPUTER FEADABLE FORM:
MEDIUM TYPE: Ploppy disk
COMPUTER: Ploppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/337,280
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION
APPLICATION NUMBER: US/08/980,071
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match 0.3%; Score 16.8; E
Best Local Similarity 90.0%; Pred. No. 82;
Matches 18; Conservative 0; Mismatches
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ADDRESSEE: Arnold, White & Durkee
STREET: P.O. Box 4433
                                                                                                                                                                                                                                                                                                                                                                                                              FILING DATE:
APPLICATION NUMBER: US 08/757,536
FILING DATE: 27-NOV-1996
ATTORNEY/AGENT INFORMATION:
NAME: Kitchell, Barbara S.
REGISTATION NUMBER: 33,928
REFERENCE/DOCKET NUMBER: MECO:206
TELECOMMUNICATION INFORMATION:
TELEPHONE: 512/418-3000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-09-972-175-52
; Sequence 52, Application US/09972175
; Patent No. 6809078
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 GGATCCCCCGGGCTGCAGGA 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 GGATCCCTCGAGCTGCAGGA 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TELEFAX: 512/474-7577
INFORMATION FOR SEQ ID NO: 52:
SEQUENCE CHARACTERISTICS:
LENGTH: 22 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CITY: Houston
STATE: Texas
COUNTRY: USA
ZIP: 77210
COMPUTER READABLE FORM:
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                                                                   STREET: P.O. Box 4433
NUMBER OF SEQUENCES: 76
CORRESPONDENCE ADDRESS:
ADDRESSEE: Arnold, W
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TOPOLOGY: linear
                                                                                          Houston
                                                                                                                              COUNTRY: U
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-09-337-280-52
                                                                                                              STATE:
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GENERAL INFORMATION:
APPLICANT: Baum, James A.
APPLICANT: Baum, James A.
APPLICANT: Gilmer, Amy Jolen
APPLICANT: Gilmer, Any Jolen
TITLE OF INVENTION: NUCLEIC ACID AND POLYPEPTIDE COMPOSITIONS ENCODING LEPIDOPTERAN-TC
TITLE OF INVENTION: POLYPEPTIDES
FILE OF INVENTION: POLYPEPTIDES
FILE REFERENCE: MECO:213 (11792.0213 DVUS01)
CURRENT FILING DATE: 2002-07-22
PRIOR APPLICATION NUMBER: 09/337,280
PRIOR FILING DATE: 1999-66-22
PRIOR PRILING DATE: 1999-11-26
PRIOR APPLICATION NUMBER: 08/980,071
PRIOR APPLICATION NUMBER: 08/980,071
PRIOR APPLICATION NUMBER: 08/980,11-27
NUMBER OF SEQ ID NOS: 76
SEQ ID NO S: 76
LENGTH: 22
LENGTH: 22
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Sequence 29, Application US/09554726A

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| Sequence 29, Application US/09554726A
| Sequence 29, Application Getain Content Conte
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APPLICANT: Brewer, Carl
APPLICANT: Brewer, Carl
APPLICANT: Brewer, Carl
APPLICANT: Morgan, Kenneth
APPLICANT: Gaude, Daniel
APPLICANT: Hudson, Thomas
TITLE OF INVENTION: Very Low Density Lipoprotein Receptor
TITLE OF INVENTION: Polymorphisms and Uses Therefor
FILE REFERENCE: 2825.2001-001
CURRENT APPLICATION NUMBER: 08/09/802,320A
CURRENT FILING DATE: 2001-03-08
PRIOR FILING DATE: 2000-03-08
                                                                                                                                                                                                                                        Length 20;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       DB 1; Length 20;
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                                                                                                                       FEATURE: OTHER INFORMATION: Antisense Oligonucleotide
                                                                                                                                                                                                                                        Score 16.4;
Pred. No. 83;
                                                                                                                                                                                                                                                                                                        0; Mismatches
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; Sequence 22, Application US/09802320A
; Detent No. 6833240
; GENERAL INFORMATION:
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Best Local Similarity 94.4%;
Matches 17; Conservative
SEQ ID NO 57
LENGTH: 20
TYPE: DNA
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: DNA
ORGANISM: Artificial Sequence
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Matches 17; Conservative
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US-09-554-726A-29
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Sequence 57, Application US/09844634

GENERAL INFORMATION:

APPLICANT: C. Frank Bennett

APPLICANT: Andrew T. Watt

TITLE OF INVENTION: ANTISENSE MODULATION OF TUMOR NECROSIS FACTOR RECEPTOR 2 EXPRESSI

FILE REFERENCE: RTS-0216

CURRENT APPLICATION VUMBER: US/09/844,634

CURRENT APPLICATION VUMBER: US/09/844,634

CURRENT FILING DATE: 2001-04-27

NUMBER OF SEQ ID NOS: 174
      APPLICANT: Castro, Stephanie
TITLE OF INVENTION: Manocrystals having polynucleotide strands and their use to form
TITLE OF INVENTION: dendrimers in a signal amplification system
FILE REPREBLOCE: B-73
CURRENT PILING DATE: 2001-07-13
PRIOR PAPLICATION NUMBER: 09/437076
PRIOR PAPLICATION NUMBER: 09/437076
PRIOR PLING DATE: 1999-11-09
PRIOR FLING DATE: 1999-11-09
RIOR FLING DATE: 1999-11-10
NUMBER OF SEQ ID NOS: 6
SOFTWARE: Patentin version 3.0
SEQ ID NO 2
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Sequence 31, Application US/09308003

Patent No. 6326170

GENERAL INFORMATION:
APPLICANT: Burnham, Martin K. R.
APPLICANT: Lonetto, Michael A.
APPLICANT: Warren, Patrick V.
TITLE OF INVENTION: POLYPEPTIDES AND THEIR USES
FILE REFERENCE: GM10093
CURRENT APPLICATION NUMBER: US/09/308,003
CURRENT APPLICATION NUMBER: 06/058,710
EARLIER APPLICATION NUMBER: 60/058,710

SARLIER APPLICATION NUMBER: 1999-09-12
NUMBER OF SEQ ID NOS: 52

SOFTWARE: PattSEQ for Windows Version 3.0

LENGTH: 19
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Best Local Similarity 94.4%; Pred. No. 73;
Matches 17; Conservative 0; Mismatches
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Pred. No. 78;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         18 GGAATTCGGCACGAGGGG 35
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ; OTHER INFORMATION: synthesized US-09-904-744-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match 0.3%;
Best Local Similarity 94.4%;
Matches 17; Conservative
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US-09-844-634-57
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RESULT 76
US-09-685-664B-1075/c
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US-10-105-101A-23
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Sequence 23, Application US/10105101A

Patent No. 682509

GENERAL INFORMATION:

TITLE OF INVENTION: A Method for Identifying Polymorphisms

TITLE OF INVENTION: A Method for Identifying Polymorphisms

TITLE OF INVENTION: A Method for Identifying Polymorphisms

CURRENT APPLICATION NUMBER: US/10/105,101A

CURRENT FILING DATE: 2002-09-30

NUMBER OF SEQ ID NOS: 25

SOFTWARE: Patentin version 3.1

SEQ ID NO 23
                                                                                                                                                                  DB 1; Length 21;
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COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DAIA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADDRESSEE: Townsend and Townsend and Crew LLP STREET: Two Embarcadero Center, 8th Floor CITY: San Francisco
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Morin, Gregg B.
Harley, Calvin
Andrews, William H.
TITLE OF INVENTION: No. 6808880el Telomerase
NUMBER OF SEQUENCES: 171
CORRESPONDENCE ADDRESS:
                                                                                                                                                           Query Match 0.3%; Score 16.4; D
Best Local Similarity '85.0%; Pred. No. 87;
Matches 17; Conservative 1; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               STATE: California COUNTRY: United States of America ZIP: 94111 COMPUTER READABLE FORM:
NUMBER OF SEQ ID NOS: 22
SOFTWARE: FaetSEQ for Windows Version 4.0
SEQ ID NO 22
LENGTH: 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      3757 GGTGCTGTCCAGCTTCTTGGA 3777
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 131, Application US/09766253
Patent No. 680880
GENERAL INFORMATION:
APPLICANT: Cech, Thomas R.
Lingner, Joachim
Nakamura, Toru
Chapman, Karen B.
                                                                                                                                                                                                                                                 3576 TGAACACTCACTTTTTGCAA 3595
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                                                                                                                                                                                                                                                                        20 TGAACACTCRGTCTTTGCAA 1
                                                                            ; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-802-320A-22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: DNA ORGANISM: Artificial
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity
Matches 18; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-09-766-253-131
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APPLICANT: McSwiggen, Jim
APPLICANT: McSwiggen, Jim
APPLICANT: Stinchcomb, Dan
APPLICANT: Stinchcomb, Dan
APPLICANT: Stinchcomb, Dan
APPLICANT: Stinchcomb, Jaime
APPLICANT: Stoched, Jaime
TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Recptor
TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Recptor
FILE REFERENCE: MBHB00-876-K (400/021)
CURRENT APPLICATION NUMBER: US 60/005,974
PRIOR FILING DATE: 1995-10-26
PRIOR FILING DATE: 1995-01-08
PRIOR FILING DATE: 1996-01-08
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 16;
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Pred. No. 77;
0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0; Indels
                                                                PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/846,017

FILING DATE: 1997-04-25

APPLICATION NUMBER: 08 08/724,643

FILING DATE: 01-0CT-1996

ATTORNEY/AGENT INFORMATION:

RAME: Apple, Randolph T.

REGISTRATION NUMBER: 36,429

REFERENCE/DOCKET UNMERE: 35,429

TELECOMMUNICATION INFORMATION:

TELEPHONE: (415) 576-0200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           DB 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match 0.3%; Score 16; DB Best Local Similarity 100.0%; Pred. No. 72; Matches 16; Conservative 0; Mismatches
APPLICATION NUMBER: US/09/766,253
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ) SEQUENCE DESCRIPTION: SEQ ID NO: 131:
US-09-766-253-131
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Ribozyme Pharmaceuticals, Inc. APPLICANT: Pavco, Pam
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-09-685-664B-1074/c
; Sequence 1074, Application US/09685664B
; Patent No. 6818447
                                                   <Unknown>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0.3%; Sco.
100.0%; Pre
                                                                                                                                                                                                                                                                                                                                                                                                                  LENGTH: 16 base pairs
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                                                                                                                                                                                                                                                                                                                                               TELEFAX: (415) 576-03
INFORMATION FOR SEQ ID NO: 131:
                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NUMBER OF SEQ ID NOS: 8231
SOFTWARE: Patentin version 3.0
SEQ ID NO 1074
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Best Local Similarity 100.
Matches 16; Conservative
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US-09-685-664B-1074
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APPLICANT: Ishiwata, Tetsuyoshi, Sakurada, Mikiko; Nishimura,
APPLICANT: Ishiwata, Tetsuyoshi, Nishi, Tatsunari; Kuga, Tetsuro; Sawada,
APPLICANT: Shigemasa; Takei, Masami
CORRESPONDENCE: 11
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fitzpatrick, Cella, Harper & Scinto
STREET: 30 Rockefeller Plaza
CITY: New York
STATE: New York
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STATE: New York
ZIP: 10112-3801
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch, 1.44 Mb storage
COMPUTER: Compaq PC
OPERATING SYSTEM: Windows 95
SOFTWARE: Worderfect 8.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/090,672B
FILING DATE: 04-JUNE-1998
FILING DATE: 05-DEC-1997
APPLICATION NUMBER: PCT/JD97/04468
FILING DATE: 05-DEC-1997
APPLICATION NUMBER: DS-DEC-1997
APPLICATION NUMBER: DS-DEC-1997
APPLICATION NUMBER: DS-DEC-1997
APTORNEY/AGENT INFORMATION:
ATTORNEY/AGENT INFORMATION:
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                                                                                                                   TYPE: nucleic acid
STRANDENESS: single
TOPOLOGY: linear
MOLECULE TYPE: other nucleic acid, synthetic DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Match 0.3%; Score 16; DB 1; Local Similarity 100.0%; Pred. No. 77; les 16; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                           Query Match

0.3%; Score 16; DB 1;
Best Local Similarity 100.0%; Pred. No. 77;
Matches 16; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-09-090-672B-106/c
; Sequence 106, Application US/09090672B
; Patent No. 6828428
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     766.21
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TELEPHONE: (212) 218-2100
TELEPHONE: (212) 218-2200
INFORMATION FOR SEQ ID NO: 106:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            5050 AAAAAAAAAAAAAC 5065
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REFERENCE/DOCKET NUMBER: 74
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        16 AAAAAAAAAAAAAA 1
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TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                   LENGTH: 17 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-09-090-672B-106
                                                                                                                                                                                                                                                                               US-09-090-672B-105
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                                                                                                                                                   APPLICANT: Davoco, Pam
APPLICANT: Bavoco, Pam
APPLICANT: Stinchcomb, Jam
APPLICANT: Stinchcomb, Jam
APPLICANT: Stinchcomb, Dan
APPLICANT: Stinchcomb, Dan
APPLICANT: Stinchcomb, Dan
APPLICANT: Stinchcomb, Dan
APPLICANT: Stinchcomb, Jam
APPLICANT: Stinchcomb, Jam
APPLICANT: Stinchcomb, Jam
APPLICANT: Stinchcomb, Jam
APPLICANTION: Levels of Vascular Endothelial Growth Factor Recptor
FILE OF INVENTION: Levels of Vascular Endothelial Growth Factor Recptor
FILE OF INVENTION: Levels of Vascular Endothelial Growth Factor Recptor
FILE OF INVENTION: Levels of Vascular Endothelial Growth Factor Recptor
FILE OF INVENTION: Levels of Vascular Endothelial Growth Factor Recptor
FILE OF INVENTION NUMBER: US 60/005,974
PRIOR FILING DATE: 1996-10-08
PRIOR FILING DATE: 1996-01-08
PRIOR FILING DATE: 1999-08-10
NUMBER OF SEQ ID NOS: 8231
SOFTHARE: PATENTING DATE: 1999-08-10
NUMBER OF SEQ ID NOS: 8231
SOFTHARE: PATENTING DATE: 1999-08-10
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GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Ishiwata, Tetsuyoshi; Sakurada, Mikiko; Nishimura,
APPLICANT: Ayako; Nakagawa, Satoshi; Nishi, Tatsunari; Kuga, Tetsuro; Sawada,
APPLICANT: Shigemasa; Takéi, Masami
TITLE OF INVENTION: IgA Nephropathy-Related Genes
TITLE OF INVENTION: 111
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fitzpatrick, Cella, Harper & Scinto
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 STATE: New York

STATE: New York

ZIP: 10112-3801

COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch, 1.44 Mb storage
COMPUTER: Compaq PC
COMPUTER: Compaq PC
COMPUTER: WordPerfect 8.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/090,672B
FILING DATE: 04-UNE-1998
CLASSIFICATION DATA:
APPLICATION NUMBER: US/09/090,672B
FILING DATE: 05-DEC-1997
FILING DATE: 05-DEC-1997
APPLICATION NUMBER: JP-8-325763
FILING DATE: NO-DEC-1996
ATTORNEY/AGENT INFORMATION:
AND TATORNEY/AGENT INFORMATION:
ATTORNEY/AGENT INFORMATION:
ATTORN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADDRESSEE: Fitzpatrick, Cella, Harper & Scinto
STREET: 30 Rockefeller Plaza
                                                                                               GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
                   Sequence 1075, Application US/09685664B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-09-090-672B-105/c
; Sequence 105, Application US/09090672B
; Patent No. 6828428
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NAME: Perry, Lawrence S.
REGISTRATION NUMBER: 31865
REPERENCE/POCKET NUMBER: 766.21
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 218-2100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      5025 AAAAAAAAAAAAA 5040
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(212) 218-2200
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US-09-685-664B-1075
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3'-end is labeled with biotin and 5'-end phosphorylated
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Patent No. 6306612

GENERAL INFORMATION:

APPLICANT: Schwarz, Margaret A.

APPLICANT: Schwarz, Margaret A.

APPLICANT: Gebb, Sarah A.

TITLE OF INVENTENCE: EMAPZ and Vascularization

CURRENT PILICATION NUMBER: US/09/439,616

CURRENT FILING DATE: 1999-11-12

EARLIER PAPLICATION NUMBER: 60/108,435

EARLIER PLICATION NUMBER: 1998-11-13

NUMBER OF SEQ ID NOS: 12

SOFTWARE: PatentIN Ver. 2.0

EENGTH: 21
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0.3%; Score 16; DB 1; Length 20;
100.0%; Pred. No. 93;
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                     MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/065,058
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match 0.3%; Score 16; DB 1; Best Local Similarity 100.0%; Pred. No. 98; Matches 16; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              100.0%; Pred. nc.
                                                                                                                                                           FILING DATE:
CLASSIFICATION 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO 97J93232
FILING DATE: 12-SEP-1997
CLASSIFICATION 435
PRIOR APPLICATION 7435
PRIOR APPLICATION 7435
PRIOR APPLICATION 7435
PRIOR APPLICATION 1435
APPLICATION NUMBER: J996
CLASSIFICATION 1996
CLASSIFICATION 1996
CLASSIFICATION 1000
NAME: KILYK JR., JOHN
REGISTRATION NUMBER: 30763
REPERENCE/DOCKET NUMBER: 72882
REPERENCE/DOCKET NUMBER: 72882
TELECOMMUNICATION INFORMATION:
TELEPHONE: (312) 616-5600
TELEPHONE: (312) 616-5700
INPORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
TENCTH: 20 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               2988 GAGCCATCTTCATGAT 3003
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ORGANISM: Artificial Sequence
PEATURE:
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Best Local Similarity 100.0
COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: nucleic acid
STRANDEDNESS: sing
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        WESULIA Application US/09090672B
; Sequence 107, Application US/09090672B
; Patent No. 6828428
; Patent No. 6828428
; GENERAL INFORMATION:
    APPLICANT: Ishiwata, Tetsuyoshi; Sakurada, Mikiko; Nishimura,
    APPLICANT: Ayako; Nakagawa, Satoshi; Nishi, Tatsunari; Kuga, Tetsuro; Sawada,
    APPLICANT: Shigemasa; Takei, Masami
    TITLE OF INVENTION: 19A Nephropathy-Related Genes
    NUMBER OF SEQUENCES: 111
    CORRESPONDENCE ADDRESS:
    ADDRESSEE: Fitzparick, Cella, Harper & Scinto
    STREET: 30 Rockefeller Plaza
    CITY: New York
    STREET: New York
    STREET: New York
    STREET: Diskette, 3.50 inch, 1.44 Mb storage
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
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Sequence 1, Application US/09065058

Patent No. 6255056

GENERAL INFORMATION:
APPLICANT: AATO, YOSHIHIRO
ITILE OF INVENTION: ACIDS, PREPARATION METHODS THEREOF AND METHODS OF
ITILE OF INVENTION: DEFECTING TARGET NUCLEIC ACIDS
NUMBER OF SEQUENCES: 16
CORRESPONDENCE ADDRESS:
ADDRESSEE: LEYDIG VOIT & MAYER, LID.
ADDRESSEE: LEYDIG VOIT & MAYER, LID.
ADDRESSEE: LEYDIG VOIT & MAYER, LID.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MOLECULE TYPE: other nucleic acid, synthetic DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADDRESSEE: LEYDIG, VOIT & MAYER, LTD.
STREET: TWO PRUDENTIAL PLAZA, SUITE 4900
CITY: CHICAGO
STATE: ILLINOIS
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                    COMPUTER: Compage PC
OPREATING SYSTEM: Windows 95
SOFTWARE: Compage PC
OPERATING SYSTEM: Windows 95
SOFTWARE: WordPerfect 8.0
CURRENT APPLICATION DATE:
APPLICATION NUMBER: US/09/090,672B
FILING DATE: 04-JUNE-1998
CLASSIFICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: DEC-1997
APPLICATION NUMBER: DE-1996
ATTORNEY/AGENT INFORMATION:
NAME: PERTY, Lawrence S.
REFERENCE/DOCKET NUMBER: 31865
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELEFAX: (212) 218-2100
TELEFAX: (212) 218-2200
SINFORMATION FOR SEQ ID NO: 107:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 Dase pairs
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STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TOPOLOGY: linear
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SEQ ID NO 4157
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FEATURE:
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Sequence 21, Application US/08582539
Patent No. 5733732
GENERAL INFORMATION:
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DETECTING PRIMARY
TITLE OF INVENTION: ADHALINOPATHY
NUMBER OF SEQUENCES: 32
CORRESPONDENCE ADDRESS:
ADDRESSEE: Kevin M. Farrell
STREET: P.O. Box 999
CITY: York Harbor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ;
0
                                                                                         sequence 12, Application US/09439616

Sequence 12, Application US/09439616

Batent No. 6306612

GENERAL INFORMATION:

APPLICANT: Scharz, Margaret A.

APPLICANT: Scharz, Margaret A.

APPLICANT: Gebb, Sarah A.

TITLE OF INNENTION: Methods of Facilitating Vascular Growth
FILE REFERENCE: EMAP2 and Vascularization

CURRENT APPLICATION NUMBER: US/09/439,616

EARLIER APPLICATION NUMBER: 60/108,435

EARLIER FILING DATE: 1998-11-13

NUMBER OF SEQ ID NOS: 12

SOFTWARE: Patentin Ver. 2.0

LENGTH: 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ; OTHER INFORMATION: Description of Artificial Sequence: primer US-09-439-616-12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: COMPUTER: Patent: PC-DOS/MS-DOS
SOFTWARE: Patent: Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/582,539
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match 0.3%; Score 16; DB 1; Best Local Similarity 100.0%; Pred. No. 98; Matches 16; Conservative 0; Mismatches (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Farrell, Kevin M.
REGISTRATION NUMBER: 35,505
REFERENCE/DOCKET NUMBER: UIRF-9501
TELECOMMUNICATION INFORMATION:
TELEPHONE: 207-363-0558
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    2988 GAGCCATCTTCATGAT 3003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             INFORMATION FOR SEQ ID NO: 21:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     5 GAGCCATCTTCATGAT 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ORGANISM: Artificial Sequence FEATURE:
5 GAGCCATCTTCATGAT 20
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GOUENCE CHARACTERISTICS:
LENGTH: 19 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
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US-08-582-539-21/c
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                                                                                         US-09-439-616-12
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: DNA
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US-09-425-978-4157/c

i Sequence 4157, Application US/09422978

i Sequence 4157, Application US/09422978

i Patent No. 6537751

j PILERAL INFORMATION:

j APPLICANT: Chumahce', Marta

APPLICANT: Chumahce', Marta

j TITLE OF INVENTION Biallelic markers for use in constructing a high density...

j TITLE OF INVENTION UNDER: US/09/422, 978

j TITLE APPLICATION NUMBER: US 09/298,850

j BARLIER PILING DATE: 1999-04-21

j BARLIER FILING DATE: 1999-04-21

j BARLIER FILING DATE: 1998-04-21

j BARLIER FILING DATE: 1998-04-21

j BARLIER FILING DATE: 1998-04-21

j BARLIER PILING DATE: 1998-04-21

j BARLIER PILING DATE: 1998-04-21

j BARLIER PILING DATE: 1998-04-21

j RARLIER PILING DATE: 1998-04-21
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Sequence 8, Application US/08474177

Sequence 8, Application US/08474177

GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Stolnick, Mark H.
APPLICANT: Kamb, Alexander
TITLE OF INVENTION: GENELINE MUTATIONS IN THE MTS GENE
NUMBER OF SEQUENCES: 36
CORRESPONDENCE ADDRESS:
ADDRESSES: Venable, Baetjer, Howard & Civiletti, LLP
STREET: 1201 New York Avenue, Suite 1000

CITY: Mashington
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 19;
                                                                                                                   Length 19;
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
                                                                                                                      DB 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  DB 1;
                                                                                                                Query Match
0.3%; Score 15.8; D
Best Local Similarity 89.5%; Pred. No. 93;
Matches 17; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0.3%; Score 15.8; 89.5%; Pred. No. 93;
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                                                                                                                                                                                                                                      4171 GCAGCTGTTCAGGGCAACA 4189
                                                                                                                                                                                                                                                                                             19 GCAGGTGTTCAGGGCAGCA 1
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-08-582-539-21
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ORGANISM: Homo Sapiens
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STATE: DC
COUNTRY: USA
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APPLICATION NUMBER: US/08/480,810 FILING DATE: 07-JUN-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                      NAME: Ihnen, Jeffrey L.
REGISTRATION NUMBER: 28,957
REFERENCE/POCKET NUMBER: 24884-109348-C
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Pred. No. 98;
0; Mismatches
                          CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/03316
FILING DATE: 17-MAR-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/251,938
FILING DATE: 01-JUN-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/215,087
FILING DATE: 18-MAR-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/215,086
FILING DATE: 18-MAR-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/227,369
FILING DATE: 14-APR-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/227,369
FILING DATE: 14-APR-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/214,582
FILING DATE: 18-MAR-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/214,582
FILING DATE: 18-MAR-1994
PRIOR APPLICATION NUMBER: US 08/214,582
FILING DATE: 18-MAR-1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 15.8;
Pred. No. 9
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MBDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity 89.5%;
Matches 17; Conservative
               07-JUN-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TELEFAX: 202-962-8300
INFORMATION FOR SEQ ID NO: 8
SEQUENCE CHARACTERISTICS:
LENGTH: 20 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FILING DATE: 07-JUN
CLASSIFICATION: 435
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OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/474,177
FILING DATE: 07-JUN-1995
CLASSIFICATION: 435
CLASSIFICATION DATA:
APPLICATION NUMBER: PCT/US95/03537
FILING DATE: 17-MAA-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/251,938
FILING DATE: 10-JUN-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/215,087
FILING DATE: 18-MAR-1994
PRIOR APPLICATION NUMBER: US 08/215,086
FILING DATE: 18-MAR-1994
PRIOR APPLICATION NUMBER: US 08/214,582
FILING DATE: 14-MAR-1994
ATTORNEY/AGENT INFORMATION:
APPLICATION NUMBER: US 08/214,582
FILING DATE: 18-MAR-1994
ATTORNEY/AGENT INFORMATION:
REGISTRATION NUMBER: 24,957
REGISTRATION NUMBER: 28,957
RETELEPHONE: 202-962-4810
TELLEPHONE: 202-962-4810
TELLEPHONE: 202-962-4810
TELLEPHONE: 202-962-9810
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APPLICATION NUMBER: US/08/487,033
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy of
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Sequence B, Application US/08848251
Sequence B, Application US/08848251
Sequence B, Application US/08848251
Sequence B, Application
APPLICANT: Skolnick, Mark H.
APPLICANT: Cannon-Albright, Lisa A.
APPLICANT: Kamb, Alexander
TITLE OF INVENTION: GERMLINE MUTATIONS IN THE MTS
TITLE OF INVENTION: METHOD FOR DETECTING PREDISPOSITION TO CANCER AT THE MTS
TITLE OF SEQUENCES: 36
CORRESPONDENCE ADDRESS: 36
CORRESPONDENCE ADDRESS: Venable, Baetjer, Howard & Civiletti, LLP
STREET: 1201 New York Avenue, Suite 1000
CITY: Washington
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           DB 1; Length 20;
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COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/NS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/848,251
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US to be assigned
FILING DATE: 07-UVN-1995
PRIOR APPLICATION DATA:
APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/03316
FILING DATE: 17-MAR-1995
FILING DATE: 17-MAR-1995
NAME: Ihnen, Jeffrey L.
REGISTRANTON NUMBER: 24894-109348
TELECOMMUNICATION INFORMATION:
TELEFONE: 202-962-4848
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match 0.3%; Score 15.8; E Best Local Similarity 89.5%; Pred. No. 98; Matches 17; Conservative 0; Mismatches
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PRIOR APPLICATION DATA: APPLICATION NUMBER: US 08/251,938
FILING DATE: 01-UN-1994
PRIOR APPLICATION DATA: APPLICATION NUMBER: US 08/215,087
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/474,083
FILING DATE: 07-JUN-1995
APPLICATION NUMBER: PCT/US95/0353
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: HOMO SAPIENS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        20 gcirccagirrccaarric 2
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ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
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CLASSIFICATION:
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USA
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Sequence 8, Application US/08508735
Setent No. 5843756
GENERAL INFORMATION:
APPLICANT: Stone, Steven
APPLICANT: Jiang, Ping
APPLICANT: Amb, Alexander
TITLE OF INVENTION: MTS GENE AND THERAPEUTIC USE THEREOF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  2; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COUNTER REDABLE FORM:
MEDIUTER REDABLE FORM:
MEDIUTER: IBM PC COMPATIBLE
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATENTIN Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/508,735
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  24884-109348
                      PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/03316
FILING DATE: 17-MAR.1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/251,938
FILING DATE: 01-JUN.1994
PRIOR APPLICATION DATA:
FILING DATE: 10-MAR.1994
FILING DATE: 18-MAR.1994
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                           PRIOR APPLICATION DATA:
PRIOR APPLICATION DATA:
PRIOR DATE: 18-MAR-1994
PRIOR APPLICATION DATA:
APPLICATION NATA:
APPLICATION NUMBER: US 08/227,369
FILING DATE: 14-APR-1994
PRIOR APPLICATION NUMBER: US 08/214,582
PRIOR APPLICATION NUMBER: US 08/214,582
ATTORNEY/AGENT INFORMATION:
NAME: Ihnen, Jeffrey L.
RAGISTRATION NUMBER: 28,957
REFERENCE/DOCKET NUMBER: 24884-10934
TELECHOME: 202-962-4810
TELECHOME: 202-962-4810
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TOPOLOGY: linear MOLECULE TYPE: DNA (genomic) HYPOTHETICAL: NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Ouery Match 0.3%;
Best Local Similarity 89.5%;
Matches 17; Conservative (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     INFORMATION FOR SEQ ID NO: 8: SEQUENCE CHARACTERISTICS: LENGTH: 20 base pairs TYPE: nucleic acid STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CORRESPONDENCE ADDRESS:
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CLASSIFICATION: 435
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US-08-508-735-8/c
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-08-480-810-8
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89.5%; Pred. No. 98;
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Sequence 8, Application US/09120130
Patent No. 6037462
GENERAL INFORMATION:
APPLICANT: Kamb, Alexander
TITLE OF INVENTION: WIS1 GENE
NUMBER OF SEQUENCES: 36
CORRESPONDENCE ADDRESS:
ADDRESSE: Venable, Baetjer, Howard & Civiletti, LLP
STREET: 1201 New York Avenue, Suite 1000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          OPERATING SYSTEM: PC-DOS/MS-DOS
OPERATING SYSTEM: PC-DOS/MS-DOS
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/120,130
FILING DATE:
CLASSIFICATION DATA:
PRIOR APPLICATION DATA:
APPLICATION DATA:
OBJUSTICATION DATA:
APPLICATION NUMBER: 08/480,810
                                                                                                                                                                                                                                                                                                                 REFERENCE DOCKET NUMBER: 24884-109348-B
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-962-4810
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APPLICATION NUMBER: US 08/251,938
FILING DATE: 01-UNN-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/215,087
FILING DATE: 18-MAR-1994
PRIOR APPLICATION DATA:
                           FILING DATE: 18-MAR-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/227,369
FILING DATE: 14-APR-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/214,582
   US 08/215,086
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18-MAR-1994
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                                                                                                                                                                                                FILING DATE: 18-MAR-1994
ATTORNEY/AGENT INFORMATION:
NAME: Ihnen, Jeffrey L.
REGISTRATION NUMBER: 28,957
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER: Floppy disk COMPUTER: IBM PC COMPATIBLE SOFTEM: PC-DOS/420
                                                                                                                                                                                                                                                                                                                                                                                                   TELEFAX: 202-962-8300
INFORMATION FOR SEQ ID NO: 8
SEQUENCE CHARACTERISTICS:
LENGTH: 20 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Best Local Similarity 89.5
Matches 17; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TOPOLOGY: linear MOLECULE TYPE: DNA
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STATE:
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US-08-486-047-8/C
Sequence 8, Application US/08486047
Patent No. 5994095
GENERAL INFORMATION:
APPLICANT: Kamb, Jalcander
TITLE OF INVENTION:
ADDRESSE: Jalcander
STREET: 1201 New York Avenue, Suite 1000
CITY: Washington
STRATE: DC
COUNTRY: USA
ZIP: 2006
STATE: DC
COUNTRY: USA
ZIP: PC-00S/MS-05
COUNTRY: PC-00S/MS-05
COUNT
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            PRIOR APPLICATION DATA:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/215,086

FILING DATE: 18-MAR.1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/227,369

FILING DATE: 14-APR.1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/214,582

FILING DATE: 18-MAR.1994

ATTORNEY/AGENT INFORMATION:

NAME: Ihnen, Jeffrey L.

REGISTRATION NUMBER: 24884-109348-G

TELECOMMUNICATION INFORMATION:

TELECOMMUNICATION NUMBER: 24800

TELECOMMUNICATION SEQ 1D NO: 8:

SEQUENCE CHARACTERISTICS:

LENGTH: 20 base pairs

TYPE: nucleic acid

STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match 0.1%; Score 15.8; I
Best Local Similarity 89.5%; Pred. No. 98;
Matches 17; Conservative 0; Mismatches
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PRIOR APPLICATION DATA:
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FILING DATE: 18-MAR-1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ) ORIGINAL SOURCE:
) ORGANISM: Homo sapiens
US-08-848-251-8
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APPLICANT: Griffeth, Irwin J.;
APPLICANT: Griffeth, Irwin J.;
APPLICANT: Bond, Julian F.;
APPLICANT: Bond, Julian F.;
APPLICANT: Garman, Richard D;
APPLICANT: Kuo, Mei-Chang;
APPLICANT: Yeung, Siu-mei H.;
APPLICANT: Yeung, Siu-mei H.;
APPLICANT: Brauer, Andrew;
APPLICANT: Brauer, Andrew;
APPLICANT: Brauer, Andrew;
APPLICANT: Brauer, Andrew;
APPLICANT: Brauer, Steven P.;
TITLE OF INVENTION: Allergenic Proteins And Peptides From TITLE OF INVENTION: Japanese Cedar Pollen
NUMBER OF SEQUENCES: 261
CORRESPONDENCES: 261
CORRESPONDENCES: 1 mmulcogic Pharmaceutical Cr.
STREET: 610 Lincoln St.
CITY: Waltham
STATE: WA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             DB 1; Length 20;
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COMPUTER: IBM PC Compatible
OPENATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATE:
FLILICATION UNMER: US/08/467,023
FILING DATE: Unne 6, 1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 15.8; DE Pred. No. 98; 0; Mismatches
PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/227,369
FILING DATE: 14-APR-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/214,582
FILING DATE: 18-WAR-1994
ATTONNEY/AGBNT INFORMATION:
NAME: Ihnen, Jeffrey L.
REGISTATION NUMBER: 26,957
REGISTATION NUMBER: 26,957
REGISTATION NUMBER: 26,957
RELEFAX: 202-962-4810
TELEFAX: 202-962-4810
TELEFAX: 202-962-8300
INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
LENGTH: 20 Dase pairs
TYPE: nucleic acid
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FILING DATE: December 6, 1994
ATTORNEY/AGENT INFORMATION:
NAME: Jane E. Remillard
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            4079 GGTTCCAGTTGCCAATTTC 4097
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity 89.5%;
Matches 17; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ORIGINAL SOURCE:
ORGANISM: Homo sapiens
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CLASSIFICATION: 424
PRIOR APPLICATION DATA:
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
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TOPOLOGY: li
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; Sequence 8, Application US/09115252
; Sequence 8, Application US/09115252
; Patent No. 6060301
; GENERAL INFORMATION:
    APPLICANT: Kamb, Alexander
; TITLE OF INVENTION: MTS1 GENE
; NUMBER OF SEQUENCES: 36
; CORRESPONDENCE ADDRESSE:
; CRRESPONDENCE ADDRESSE:
; STREET: 1201 New York Avenue, Suite 1000
; CITY: Washington
; STREET: DC
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                DB 1; Length 20;
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COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY disk
COMPUTER: IEM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/115,252
FILING DATE:
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89.5%; Pred. No. 98;
tive 0; Mismatches
           PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/227,369
FILING DATE: 14-APR-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/214,582
FILING DATE: 18-MAR-1994
ATTORNEY/AGENT INFORMATION:
NAME: Then, Jeffrey L.
REGISTRATION NUMBER: 28,957
RESTRENCE TOOKET NUMBER: 24884-109348
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-962-8300
INFORMATION FOR SEQ 1D NO: 8:
INFORMATION FOR SEQ 1D NO: 8:
LENGTH: 20 base pairs
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APPLICATION NUMBER: US/08/480,810
FILING DATE: 07-UN-1995
APPLICATION NUMBER: PCT/US95/03316
FILING DATE: 17-MAR-1995
RIOR APPLICATION DATA:
APPLICATION DATA:
APPLICATION NUMBER: US 08/251,938
FILING DATE: 01-UN-1994
RIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/215,087
FILING DATE: 18-MAR-1994
RIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/215,087
FILING DATE: 18-MAR-1994
FILING DATE: 18-MAR-1994
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                                                                                                                                                                                                                                                                                                                                                                                                                                             MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity 89.5'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ORIGINAL SOURCE:
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                    TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CLASSIFICATION:
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; Patent No. 6140473
; GENERAL INFORMATION:
; APPLICANT: Ramb, Alexander
; TITLE OF INVENTION: WTS2 GENE
; NUMBER OF SEQUENCES: 36
; CORRESPONDENCE ADDRESS:
; STREET: 1201 New York Avenue, Suite 1000
; CITY: Weathington
; STATE: DC
COUNTRY: USA
                                                                                                                                                                                                                                         DB 1; Length 20;
                                                                                                                                                                                                                                                                              2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/120,128
                                                                                                                                                                                                                                         Score 15.8; I
Pred. No. 98;
0; Mismatches
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REGISTRATION NUMBER: 28,957
REFERENCE/DOCKET NUMBER: 24884-109348-B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       FILING DATE:

PRICASIFICATION:

PRICA PAPELICATION

PRICA PAPELICATION NUMBER: US/08/486,047

FILING DATE: 07-JUN-1995

PRICATION NUMBER: PCT/US95/03316

FILING DATE: 17-MAR-1995

PRICATION NUMBER: US 08/251,938

FILING DATE: 01-JUN-1994

PRICATION NUMBER: US 08/215,087

FILING DATE: 18-MAR-1994

PRICATION NUMBER: US 08/215,087

FILING DATE: 18-MAR-1994

PRICATION NUMBER: US 08/215,086

FILING DATE: 18-MAR-1994

PRICATION NUMBER: US 08/215,086

FILING DATE: 14-APR-1994

PRICATION NUMBER: US 08/217,369

FILING DATE: 14-APR-1994

PRICATION NUMBER: US 08/217,369

FILING DATE: 18-MAR-1994

PRICATION NUMBER: US 08/214,582

FILING DATE: 18-MAR-1994

ATTORNEY AGENT INPORMATION:

NAME: THANK NAMER: US 08/214,582
                                                                                                                                                                                                                                                                                                                      4079 GGIICCAGIIGCCAAIIIC 4097
                                                                                                                                                                                                                                                                                                                                                         20 GCTTCCAGTTTCCAATTTC 2
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TELEPHONE: 202-962-4810
                                                                            linear
E: DNA (genomic)
                                                                                                                                                                                                                                       Query Match 0.3%;
Best Local Similarity 89.5%;
Matches 17; Conservative
                                                                                                                                      ANTI-SENSE: NO
ORGINAL SOURCE:
CRGANISM: Homo sapiens
US-08-986-515-8
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  SEQUENCE CHARACTERISTICS
                      20 base pairs
                                       nucleic acid
EDNESS: single
                                                         STRANDEDNESS:
                                                                              TOPOLOGY: lir
MOLECULE TYPE:
                                                                                                                     HYPOTHETICAL:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ZIP: 20005
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; Sequence 8, Application US/08986515
; Patent No. 609578
; GENERAL INFORMATION:
    TITLE OF INVENTION:
    TITLE OF INVENTION:
    NUMBER OF SEQUENCES: 36
; CORRESPONDENCE ADDRESS:
    ADDRESSEE: Venable, Baetjer, Howard & Civiletti, LLP
    STREET: 1201 New York Avenue, Suite 1000
    CITY: Washington
    STATE: DC
    COUNTRY: USA
                                                                                                                                                                                                                                                                          Query Match
0.3%; Score 15.8; DB 1; Length 20;
Best Local Similarity 89.5%; Pred. No. 98;
Matches 17; Conservative 0; Mismatches 2; Indels
                REFERENCE/DOCKET NUMBER: 025.6 USD2 (IMI-028CPD2)
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 227-7400
TELEPHONE: (617) 227-5941
INFORMATION FOR SEQ ID NO: 167:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SOFTWARE: Patentin Release #1.0, Version #1.30
CUBRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/986,515
FILING DATE:
                                                                                                                                                                                                                                                                                                                  0; Mismatches
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PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/480,810
                                                                                                                                                                                                                                                                                                                                                         57 GCAGCAGCTGAAGTGTAGT 75
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COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS.
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REGISTRATION NUMBER: 28,957
REFERENCE/DOCKET NUMBER: 24
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-962-4810
REGISTRATION NUMBER: 38,872
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy of
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Gaps
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Pred. No. 98;
0; Mismatches 2; Indels
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US-09-201-139-8/C
Sequence 8, Application US/09201139
Patent No. 6210949
GENERAL INFORMATION:
APPLICANT: Stone, Steven
APPLICANT: Kamb, Alexander
TITLE OF INVENTION: MTS GENE AND THERAPEUTIC USE THEREOF
NUMBER OF SEQUENCES: 47
CORRESPONDENCE ADDRESS:
ADDRESSEE: Venable, Baetjer, Howard & Civiletti, LLP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ISEE: Venable, Baetjer, Howard & Civiletti, LLP
1: 1201 New York Avenue, Suite 1000
Washington
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/201,139
FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FILING DATE:
PRIOR APPLICATION DATA:
APPLICATION UNBER: PCT/US95/03316
FILING DATE: 17-MAR-1995
ATTORNEY/ABATT INFORMATION:
NAME: Ihnen, Jeffrey L.
REGISTRATION NUMBER: 28,957
REPERBENGE/DOCKET NUMBER: 24884-109348
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-962-4848
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PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/508,735
                                                                                                                                                                                                                                                                                                                                              4079 GGTTCCAGTTGCCAATTTC 4097
                                                                                                                                                                                                                                                                                                                                                                                       20 GCTTCCAGTTTCCAATTTC 2
                                                                                                         DNA (genomic)
                                                                                                                                                                                                                                                       Query Match 0.3%;
Best Local Similarity 89.5%;
Matches 17; Conservative
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INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
LENGTH: 20 base pairs
                                                                                                                                                  ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Homo sapiens
SEQUENCE CHARACTERISTICS:
LENGTH: 20 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                LENGTH: 20 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                linear
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MOLECULE TYPE: DN
HYPOTHETICAL: NO
                                                                                TOPOLOGY: lin
MOLECULE TYPE:
HYPOTHETICAL: N
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ORGANISM: Hom
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| Sequence 8, Application US/09120129 |
| Patent No. 6180776 |
| Patent No. 6180776 |
| Patent Incornation |
| APPLICANT: Kamb, Alexander |
| TITLE OF INVENTION: MTS2 GENE |
| NUMBER OF SEQUENCES: 36 |
| CORRESPONDENCE ADDRESS: 4 |
| ADDRESSE: Venable, Baetjer, Howard & Civiletti, LLP |
| STREET: 1201 New York Avenue, Suite 1000 |
| CITY: Washington |
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
MEDIUM TYPE: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
GURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/120,129
                                                                                                                                                                                                                                                           ; Score 15.8; DB; Pred. No. 98; 0; Mismatches
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RIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/251,938

FILING DATE: 01-UN-1994

PRIOR APPLICATION NUMBER: US 08/215,087

FILING DATE: 18-WAR-1994

PRIOR APPLICATION NUMBER: US 08/215,086

FILING DATE: 18-WAR-1994

PRIOR APPLICATION NUMBER: US 08/215,086

FILING DATE: 18-WAR-1994

PRIOR DATE: 18-WAR-1994

PRIOR DATE: 18-WAR-1994
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FILING DATE: 14-APR-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/214,582
FILING DATE: 18-MAR-1994
ATTORNEY/AGENT INFORMATION:
NAME: Ihnen, Jeffrey L.
REGISTRATION NUMBER: 28,957
REFERENCE/DOCKET NUMBER: 24884-10934
TELECOMMUNICATION INFORMATION:
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APPLICATION NUMBER: US 08/486,047
FILING DATE: 07-JUN-1995
APPLICATION NUMBER: PCT/US95/03316
                                                                                                                                                                                                                                                                                                                                                   4079 GGTTCCAGTTGCCAATTTC 4097
                      LENGTH: 20 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
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nilarity 89.5%;
Conservative
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202-962-8300
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CRGANISM: Homo sapiens
US-09-120-128-8
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  SEQUENCE CHARACTERISTICS:
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Best Local Similarity
Matches 17; Conserv
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CLASSIFICATION:
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0.3%;
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ORGANISM: Artificial Sequence
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                         Best Local Similarity 89.5
Matches 17; Conservative
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Matches 17; Conservative
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Best Local Similarity
Matches 17; Conserva
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LENGTH: 20
     Query Match
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Matches
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  DB 1; Length 20;
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APPLICANT: Kamb, Alexander
TITLE OF INVENTION: MTS2 GENE
NUMBER OF SEQUENCES: 36
CORRESPONDENCE ADDRESS:
ADDRESSEE: Venable, Baetjer, Howard & Civiletti, LLP
STREET: 1201 New York Avenue, Suite 1000
CITY: Washington
STATE: DC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SOFTWARE: Patentin Release #1.0, Version #1.30 CURRENT APPLICATION DATA: APPLICATION NUMBER: US/09/120,131
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PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE: 07-JUN-1995
FILING DATE: 17-MAR-1995
PRIOR APPLICATION NUMBER: PCT/US95/03316
FILING DATE: 01-JUN-1994
FILING DATE: 01-JUN-1994
FILING DATE: 01-JUN-1994
FILING DATE: 18-MAR-1994
0.3%; Score 15.8; D
89.5%; Pred. No. 98;
iive 0; Mismatches
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COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                               4079 GGTTCCAGTTGCCAATTTC 4097
                                                                                                                                                                                                                                       US-09-120-131-8/c; Sequence 8, Application US/09120131; Patent No. 6218146
                                                                                                                                          20 GCTTCCAGTTTCCAATTTC 2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                INFORMATION FOR SEQ ID NO: 8: SEQUENCE CHARACTERISTICS: LENGTH: 20 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ORGANISM: Homo sapiens US-09-120-131-8
                                                   Conservative
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MEDIUM TYPE: Floppy of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: nucleic acid
STRANDEDNESS: single
                       Best Local Similarity
Matches 17; Conser
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 linear
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  Query Match
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Sequence 138, Application US/09844634
Patent No. 6410324
GENERAL INFORMATION:
APPLICANT: C. Frank Bennett
TITLE OF INVENTION: ANTISENSE MODULATION OF TUMOR NECROSIS FACTOR RECEPTOR 2 EXPRESSIC
FILE REFERENCE: TS-0216
CURRENT FILING DATE: 2001-04-27
NUMBER OF SEQ ID NOS: 174
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1/8-62-26A-36/C
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Score 15.8; DB 1; Length 20;
Pred. No. 98;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ; OTHER INFORMATION: Antisense Oligonucleotide US-09-844-634-138
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89.5%; Pred. No. 98;
tive 0; Mismatches
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                                                                                                        0; Mismatches
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; Sequence 143, Application US/09322409
; Patent No. 6471957
; BENERAL INFORMATION:
; APPLICANT: Sim, Gek-Kee
                                                                                                                                                                                                           4079 GGTTCCAGTTGCCAATTTC 4097
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              3672 TCTTACATACAGCCGAATT 3690
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RESULT 105
US-08-227-800A-6/c
; Sequence 6, Application US/08227800A
; Patent No. 6689561
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 4, Application US/09456090A Patent No. 6680209 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      4769 TGACTGACTGACTAAATGA 4787
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Best Local Similarity 89.5%;
Matches 17; Conservative
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ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                    TYPE: DNA
ORGANISM: Artificial sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US-09-456-090A-4/C
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LENGTH: 20
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GENERAL INFORMATION:

APPLICANT: Sim, Gek-Kee

APPLICANT: Yang, Shumin

APPLICANT: Practiz, Matthew J.

APPLICANT: Practiz, Matthew J.

TITLE OF INVENTION: CANINE AND FELINE IMMUNOREGULATORY PROTEINS, NUCLEIC

TITLE OF INVENTION: ACID MOLECULES, AND USES THEREOF

TITLE OF INVENTION: ACID MOLECULES, AND USES THEREOF

FILE REFERENCE: IM-2-C2

CURRENT APPLICATION NUMBER: US/09/451,527

CURRENT PILING DATE: 1999-05-29

EARLIER APPLICATION NUMBER: 60/087,306

EARLIER APPLICATION NUMBER: 60/087,306

EARLIER FILING DATE: 1998-05-29

NUMBER OF SEQ ID NOS: 174

SOFTWARE: Patentin Ver. 2.0

TENDENT. 2.0
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                  APPLICANT: Dreitz, Matthew J.
APPLICANT: Dreitz, Matthew J.
APPLICANT: Wonderling, Ramani S.
TITLE OF INVENTION: CANINE AND FELINE IMMUNOREGULATORY PROTEINS, NUCLEIC
TITLE OF INVENTION: ACID MOLECULES, AND USES THEREOF
PILE REFERENCE: IM-2-C1
CURRENT APPLICATION NUMBER: US/09/322,409
CURRENT FILING DATE: 1990-05-29
EARLIER APPLICATION NUMBER: 60/087,306
EARLIER FILING DATE: 1998-05-29
NUMBER OF SEQ ID NOS: 154
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 143
LENGTH: 20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             OTHER INFORMATION: Description of Artificial Sequence: Synthetic OTHER INFORMATION: Primer
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COTHER INFORMATION: Description of Artificial Sequence: Synthetic
PLOS THORMATION: Primer
PLOS 2322-409-143
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89.5%; Pred. No. 98;
vative 0; Mismatches
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89.5%; Pred. No. 98;
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US-09-645-021-5
; Sequence 5, Application US/09645021
; Patent No. 6589726
; GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                             TYPE: DNA ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity 89.5
Matches 17; Conservative
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Yang, Shumin
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Best Local Similarity
Matches 17; Conserv
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APPLICANT: Butler, John H.

APPLICANT: Brennan, Thomas M.

ITILE OF INVENTION: METHOD AND APPARATUS FOR IN SITU SYNTHESIS ON A SOLID SUPPORT

ITILE OF INVENTION: METHOD AND AND APPARATUS FOR IN SITU SYNTHESIS ON A SOLID SUPPORT

CURRENT APPLICATION NUMBER: 09/9/645,021

CURRENT FILING DATE: 2000-08-23

PRIOR FILING DATE: 1999-05-18

PRIOR FILING DATE: 1995-06-06

NUMBER OF SEQ ID NOS: 10

SOFTWARE: PATENTIN OF SEQ ID NOS: 10

SOFTWARE: PATENTIN OF SEQ ID NOS: 10

SOFTWARE: PATENTIN OF SEQ ID NOS: 10

TENGTH: 20

TENGTH: 20
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US-09-456-090A-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 20;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 20;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Buechler, Joe
APPLICANT: Valkirs, Gunars
APPLICANT: Valkirs, Jeff
APPLICANT: Gray, Jeff
APPLICANT: Lonberg, Nils
TITLE OF INVENTION: HUMAN ANTIBODIES AS DIAGNOSTIC REAGENTS
FILE REPERENCE: 020015-00020005
CURRENT APPLICATION NUMBER: US/09/456,090A
CURRENT FILING DATE: 1999-12-06
NUMBER OF SEQ ID NOS: 110
SOFTWARE: Patentin Ver. 2.1
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Pred. No. 98;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              DB
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, OTHER INFORMATION: Synthetic oligonucleotide
US-09-645-021-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match 0.3%; Score 15.8; D
Best Local Similarity 89.5%; Pred. No. 98;
Matches 17; Conservative 0; Mismatches
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APPLICANT: CARSON, DENNI
APPLICANT: NOBORI, TSUTO
TITLE OF INVENTION: TUMO
TITLE OF INVENTION: DETE
TITLE OF INVENTION: TRRA
NUMBER OF SEQUENCES: 18
CORRESPONDENCE ADDRESS:
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                          FILING DATE: 18-Jul-2001

APPLICATION NUMBER: US 08/921,954

FILING DATE: 20-AUG-1997

ATTORNEY/AGENT INFORMATION:
NAME: HINEOF, Matchew E.
REGISTRATION NUMBER: 47,651

REFERENCE/DOCKET NUMBER: 023070-104042US
TELEPHONE: (415) 576-0200

TELEPHONE: (415) 576-0300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                /note= "CDK41' primer'
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Pred. No. 98;
       APPLICATION NUMBER: US/09/908,671A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0.3%; Score 15.8; C
89.5%; Pred. No. 98;
tive 0; Mismatches
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Best Local Similarity 89.5%; Pred. No. 98;
Matches 17; Conservative 0; Mismatches
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APPLICANT: Walkirs, Joe
APPLICANT: Walkirs, Gunars
APPLICANT: Walkirs, Gunars
APPLICANT: Gray, Jeff
APPLICANT: Lonberg, Nils
APPLICANT: Biosite Diagnostics, Inc.
APPLICANT: Biosite Diagnostics, Inc.
APPLICANT: GenPharm International
TILE OF INVENTION: Human Antibodies
FILE REFERENCE: 020015-000110US
CURRENT APPLICATION NUMBER: US/09/453,234
CURRENT FILING DATE: 1999-12-01
PRIOR FILING DATE: 1999-10-02
                                                                                                                                                                                                                                                                                                                                                                                                                            NAME/KEY: - LOCATION: 1..20
COCATION: 1..20
COTHER INFORMATION: / NOCE= "CD!;
SEQUENCE DESCRIPTION: SEQ ID NO: 6:
US-08-921-954-6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           4079 GGTTCCAGTTGCCAATTTC 4097
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-08-632-598-29/c ; Sequence 29, Application US/08632598
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Patent No. 6794132
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          366 CCTCCACCAACAGCCCATC 384
                                                                                                                                                                                                                                                            INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 base pairs
TYPE: mucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    20 GCTTCCAGTTTCCAATTTC 2
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ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                  TOPOLOGY: 11near MOLECULE TYPE: DNA FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity 89.55
Matches 17; Conservative
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SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 4
LENGTH: 20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Carson, Dennis A.
No. 6689864ori, Tsutomu
TITLE OF INVENTION: Tumor Suppressor Gene and Methods for
Detection of Cancer, Monitoring of Tumor Progression and
Cancer Treatment
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
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COUNTRY: USA
COMPUTER: California
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATE: 26-Aug-1997
FILING DATE: 26-Aug-1997
CLASSIFICATION: «Unknown»
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NUMBER OF SEQUENCES: 28
CORRESPONDENCE ADDRESS:
CORRESPONDENCE ADDRESSE:
Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
                                                                                                               COMPUTER READBLE FORM:
MEDLUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: PatentIN Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/227,800A
FILING DATE: 14-APR-1994
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
RESERBINGE/DOCKET NUMBER: 34,842
RESERBINGE/DOCKET NUMBER: 34,842
RESERBINGE/DOCKET NUMBER: 34,842
RESERBINGE/DOCKET NUMBER: 34,842
FELECOMUNICATION INFORMATION:
TELEPHONE: 619/6778-5079
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
ILENGTH: 20 base pairs
ADDRESSEE: Fish & Richardson P.C. STREET: 4225 Executive Square, Suite 1400 STATE: La Johla STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0.3%; Score 15.8; D
89.5%; Pred. No. 98;
ative 0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US-08-921-954-6/c; Sequence 6. Application US/08921954; Patent No. 6689864; GENERAL INFORMATION:
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Best Local Similarity 89.5
Matches 17; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 IMMEDIATE SOURCE:
CLONE: CDK41' primer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ropology: linear
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  LOCATION:
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LOCATION: 1..21 -
OTHER INFORMATION: downstream amplification primer 99-17833 for SEQ 862, in complemer
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Sequence 8127, Application US/09422978

Patent No. 6337751

GENERAL INFORMATION:
APPLICANT: Cohen, Daniel
APPLICANT: Chumakov, Ilya
TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
TITLE TREPERENCE: GENSET. 020CP1
CURRENT APPLICATION NUMBER: US/09/422, 978
CURRENT FILING DATE: 1999-10-20
EARLIER FILING DATE: 1999-10-20
EARLIER APPLICATION NUMBER: US 60/109,732
EARLIER PLING DATE: 1998-11-23
EARLIER PLING DATE: 1998-14-21
EARLIER FILING DATE: 1998-14-21

SEQIID NO 8727

SEQIID NO 8727
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Pred. No. 1e+02;
0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0.3%; Score 15.8; DB 1; Length 21; 89.5%; Pred. No. le+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Indels
                                                                                                                                                                                                                                                                                                             223355/SEE50112/US
             APPLICATION:
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/632,598
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: KOKULIS, PAUL N.
REGISTRATION NUMBER: 16,773
REPERRING-POCKET NUMBER: 22335/
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECHONE: 861-3000
TELEPHONE: 861-3000
TELEPHONE: 70000
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/231,240
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TELEX: 6714627 CUSH
INFORMATION FOR SEQ ID NO: 7
SEQUENCE CHARACTER.STICS:
TENGTH: 21 base pairs
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Best Local Similarity 89.5
Matches 17; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
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ORGANISM: Homo Sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ) ORGANISM: AVOCADO
) IMMEDIATE SOURCE:
) CLONE: 5' PRIMER
US-09-231-240-29
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Best Local Similarity
Matches 17; Conserv
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MOLECULE TYPE: cl
ORIGINAL SOURCE:
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; Sequence 29, Application US/09231240
; Batent No. 6262346
; GENERAL INFORMATION:
    APPLICANT: ELETCHER, JONATHON D
    TITLE OF INVENITON: FIDENING-RELATED GENES FROM BANANA NUMBER OF SEQUENCES: 50
    CORRESPONDENCE ADDRESS:
    ADDRESSEE: CUSHMAN DARBY AND CUSHMAN
    STRRET: 1100 NEW YORK AVENUE N.W.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 15.8; DB 1; Length 21;
Pred. No. 1e+02;
0; Mismatches 2; Indels
                                 GENERAL INFORMATION:
APPLICANT: BIRD, COLIN R
APPLICANT: BIRD, COLIN R
APPLICANT: FLETCHER, JONATHON D
TITLE OF INFORMATION: RIPENING-RELATED GENES FROM BANANA
NUMBER OF SEQUENCES: 50
CORRESPONDENCE ADDRESS:
ADDRESSEE: CUSHMAN DARBY AND CUSHMAN
STREET: 1100 NEW YORK AVENUE N.W.
                                                                                                                                                                                                                                                                                                                                                  STAIR: USA

ZIP: 20005-3918

COUNTER READBABLE FORM:
MEDIUW TYPE: Floppy disk
COMPUTER SYSTEM: PC-DOS/MS-DOS
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATENTIN RELEASE #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/632,598
FILING DATE:
FLING DATA:
NAME: KOKULIS, PAUJ N.
REGISTRATION NUMBER: 15,773
REFERENCE/DOCKET NUMBER: 223355/SEE50112/US
FLEEPHON: 861-300
TELEPHON: 861-300
TELEPHON: 861-300
TELEPHON: 861-300
TELEPHON: 21 DASE PAIRE
INFORMATION FOR SEQ ID NO: 29:
SEQUENCE CHARACTERISTICS:
LENGTH: 21 DASE PAIRE
FURDAL DATE:
FLENG DATE:
FL
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ZIP: 20005-3918
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: ISM PC compatible
OPERATES: SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          2880 GAAGAAGTTGCTCTCACAG 2898
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Best Local Similarity 89.5%;
Matches 17; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ORGANISM: AVOCADO
; IMMEDIATE SOURCE:
; CLONE: 5' PRIMER
US-08-632-598-29
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        MOLECULE TYPE:
ORIGINAL SOURCE:
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Gaps

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Gaps

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APPLICANT: Pavco, Pam
APPLICANT: Pavco, Pam
APPLICANT: McSwiggan, Jim
APPLICANT: Stinchcomb, Jam
APPLICANT: Stinchcomb, Jam
APPLICANT: Stinchcomb, Jam
APPLICANT: Stinchcomb, Jam
APPLICANT: Bacobedo, Jaime
TITLE OF INVENTION: Method and Reagent for Treatment of Diseases or Conditions Related
TITLE OF INVENTION: Method and Reagent for Treatment of Diseases or Conditions Related
TITLE OF INVENTION: Method and Reagent for Treatment of Diseases or Conditions Related
CURRENT FILING DATE: 2000-10-10
PRIOR APPLICATION NUMBER: US 60/005,974
PRIOR PILING DATE: 1995-10-26
PRIOR FILING DATE: 1996-01-08
PRIOR FILING DATE: 1996-01-08
PRIOR FILING DATE: 1999-08-10
NUMBER OF SEQ ID NOS: 8231
SOFTWARE: PatentIn version 3.0
SEQ ID NO 1077
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Melson, M. Bud
APPLICANT: Nelson, M. Bud
APPLICANT: Castro, Stephanie
TITLE OF INVENTION: Nanocrystals having polynucleotide strands and their use to form
TITLE OF INVENTION: Nanocrystals having polynucleotide strands and their use to form
TITLE OF INVENTION: dendrimers in a signal amplification system
TITLE OF INVENTION: NUMBER: US/09/904,744
CURRENT FILING DATE: 2001-07-13
PRIOR APPLICATION NUMBER: 09/437076
PRIOR APPLICATION NUMBER: 60/107828
PRIOR RILING DATE: 1998-11-0
PRIOR FILING DATE: 1998-11-10
NUMBER OF SEQ ID NOS: 6
SOFTWARE: Patentin version 3.0
SEQ ID NO 1
LENGTH: 18
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Pred. No. 92;
0; Mismatches
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Ouest Local Similarity 94.1%; Pred. No. 98;
Matches 16; Conservative 0; Mismatches
                                                                                                                                  RESULT 113
US-09-685-664B-1077/C
; Sequence 1077, Application US/09685664B
; Patent No. 6818447
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GENERAL INFORMATION:
APPLICANT: Barbera-Guillem, Emilio
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 1, Application US/09904744 Patent No. 6828142
5023 GTAAAAAAAAAAA 5039
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Best Local Similarity 94.1%;
Matches 16; Conservative
                                                    17 GGAAAAAAAAAAAAAA
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; ORGANISM: Homo sapiens
US-09-685-664B-1077
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                                                                                                                                                                                 APPLICANT: Ribozyme Plantmaceuticals, Inc.
APPLICANT: Ribozyme Plantmaceuticals, Inc.
APPLICANT: Rosuggen, Jan
APPLICANT: Rosuggen, Jan
APPLICANT: Stinchcomb, Dan
APPLICANT: Stinchcomb, Dan
APPLICANT: Stinchcomb, Dan
APPLICANT: Stinchcomb, Dan
TITLE OF INVENTION: Method and Reagent for Treatment of Diseases or Conditions Relate
TITLE OF INVENTION: Method and Reagent for Treatment of Diseases or Conditions Relate
TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Recptor
TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Recptor
CURRENT APPLICATION NUMBER: US 09/005,974
PRIOR FILING DATE: 1995-10-26
PRIOR FILING DATE: 1995-01-08
PRIOR FILING DATE: 1996-01-08
PRIOR FILING DATE: 1999-08-10
NUMBER OF SEQ ID NOS: 8231
SOFTWARE: Patentin version 3.0
SEQ ID NO 1073
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APPLICANT: Acavor, Jum
APPLICANT: Stinchcomb, Dan
APPLICANT: Stinchcomb, Dan
APPLICANT: Escobedo, Jaimen
TITLE OF INVENTION: Method and Reagent for Treatment of Diseases or Conditions Relate
TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Recptor
FILE REPERENCE: MBHB00-876-K (400/021)
CURRENT APPLICATION NUMBER: US/09/685,664B
CURRENT FILING DATE: 1995-01-06
PRIOR APPLICATION NUMBER: US 60/005,974
PRIOR FILING DATE: 1996-01-08
PRIOR APPLICATION NUMBER: US 09/371,772
PRIOR APPLICATION NUMBER: US 09/371,772
PRIOR APPLICATION NUMBER: US 09/371,772
PRIOR FILING DATE: 1999-08-10
NUMBER OF SEQ ID NOS: 8231
SQFTWARE: Patentin version 3.0
SQCTWARE: Patentin version 3.0
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94.1%; Pred. No. 92;
tive 0; Mismatches
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Pred. No. 92;
0; Mismatches
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Sequence 1076, Application US/09685664B
Patent No. 6818447
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Pavco, Pam
                                                                                                        Sequence 1073, Application US/09685664B
Patent No. 6818447
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     5050 AAAAAAAAAAAAAACT 5066
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Best Local Similarity 94.1%;
Matches 16; Conservative
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Best Local Similarity 94.1
Matches 16; Conservative
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; ORGANISM: Homo sapiens
US-09-685-664B-1076
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ) ORGANISM: Homo sapiens
US-09-685-664B-1073
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TYPE: DNA
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   20 GAATTCGGCACGAGCGG 4
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INFORMATION FOR SEQ ID NO: 6
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  STATE: D.C
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                                                                                                                                                                   Sequence 6, Application US/08467822

Patent No. 5843460
GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Ferrero, Richard L.
APPLICANT: Ferrero, Richard L.
APPLICANT: Thiberge, Jean-Michel
TITLE OF INVENTION: INMUNOGENIC COMPOSITIONS AGAINST
TITLE OF INVENTION: HELLCOBACTER INFECTION, POLYPEPTIDES FOR USE IN THE
TITLE OF INVENTION: POLYPEPTIDES
NUMBER OF SEQUENCES: 44
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ö
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NAME/KEY: misc_feature;
LOCATION: 1..6
COTHER INFORMATION: /note= "Restriction site introduced of the Information of the amplified fragment (BamHI)."
US-08-467-822-6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADDRESSEE: Finnegan, Henderson, Farabow, Garrett & ADDRESSEE: Dunner STREET: 1300 I Street, N.W.
CITY: Washington
STATE: D.C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COMPUTER: ENDABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: Piloppy disk
COMPUTER: Patentin PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/467,822
FILING DATE: 06-JUN-1995
CLASSIFICATION: A35
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/447,177
FILING DATE: 19-MAY-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/432,697
FILING DATE: 02-MAY-1995
CLASSIFICATION: 435
ATTOMNEY/AGENT INFORMATION:
ANAMERICATION: 435
ATTOMNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NAME: Meyers, Kenneth J.
REGISSTRATION NUMBER: 25,146
REFERENCE/DOCKET NUMBER: 03495.0137-02000
TELEPHONE: (202) 408-4400
TELEPHONE: (202) 408-4400
INFORMATION FOR SEQ ID NO: 6: SEQUENCE CHARACTERISTICS:
LENGTH: 20 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1800 TGAAATCCTTTTGGATC 1816
5023 GTAAAAAAAAAAAA 5039
                                               2 GGAAAAAAAAAAAAA 18
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MOLECULE TYPE: DNA (genomic)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       LENGER: 20 Dase F
TYPE: nucleic acid
STRANDEDNESS: single
STRANDENESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COUNTRY: USA
ZIP: 20005-3315
                                                                                                                                                      US-08-467-822-6/c
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18 TGAAATCTTTTTGGATC 2

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APPLICANT: Labigne, Agnes
APPLICANT: Labigne, Agnes
APPLICANT: Labigne, Agnes
APPLICANT: Sauerbaum, Sebastien
APPLICANT: Bauerbaum, Sebastien
APPLICANT: Ferrero, Richard L.
APPLICANT: Thiberge, Jean-Michel
TITLE OF INVENTION: HELLCOBACTER INFECTION, POLYPEPTIDES FOR USE IN THE
TITLE OF INVENTION: COMPOSITIONS, AND NUCLEIC ACID SEQUENCES ENCODING SAID
TITLE OF INVENTION: POLYPEPTIDES
NUMBER OF SEQUENCES: 44
CORRESPONDENCE ADDRESS:
ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &
Sequence 8, Application US/09357070

Sequence 8, Application US/09357070

Patent No. 6046049

GENERAL INFORMATION:

APPLICANT: Brett P. Monia

APPLICANT: Lex. Coweert

TITLE OF INTENTION: ANTISENSE MODULATION OF PI3 KINASE P110 DELTA EXPRESSION

FILE REFERENCE: RTS-0076

CURRENT APPLICATION NUMBER: US/09/357,070

CURRENT APPLICATION NUMBER: US/09/357,070

NUMBER OF SEQ ID NOS: 47

SEQ ID NO 8

LENTH: 20
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ZIP: 20005-3315

COMPUTER READBLE FORM:
MEDITOW TYPE: Floppy disk
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATONIN Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/432,697
FILING DATE: 02-MAY-1995
CLASSIFICATION: 424
ATTORNEX/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match

0.3%; Score 15.4; DB 1;
Best Local Similarity 94.1%; Pred. No. 1.1e+02;
Matches 16; Conservative 0; Mismatches 1;
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REGISTRATION NUMBER: 25,146
REFERENCE/DOCKET NUMBER: 03495.0137-00000
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 408-4000
                                                                                                                                                                                                                                                                                                                                                                                                             FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-357-070-8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-08-432-697-6/c
; Sequence 6, Application US/08432697
; Patent No. 6248330
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SSEE: Dunner
I: 1300 I Street, N.W.
Washington
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 19 GAATTCGGCACGAGGGG 35
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OTHER INFORMATION: Description of Artificial Sequence: No. 6451968el Sequence: NAME/KEY: misc_feature
NAME/KEY: misc_feature
COCATION: (10)...(11)
OTHER INFORMATION: Ethylene Glycol, Ethylene Glycol
OTHER INFORMATION: Linkage
NAME/KEY: misc_feature
COCATION: (13)
OTHER INFORMATION: N is Pseudoisocytosine
NAME/KEY: misc_feature
COCATION: (20)
OTHER INFORMATION: N is Pseudoiscytosine
COCATION: (20)
OTHER INFORMATION: N is Pseudoiscytosine
US-08-275-951-49
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                                                                                                                                              Length 20;
                        LOCATION: 1..6

OTHER INFORMATION: /note= "Restriction site introduced in the amplified fragment (BamHI)."
US-08-466-248-6
                                                                                                                                                                                             1; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Griffin, Michael
APPLICANT: Griffin, Michael
APPLICANT: Coull, James M.
APPLICANT: Coull, James M.
APPLICANT: Buchard, Ole
APPLICANT: Buchard, Ole
APPLICANT: Dueholm, Kim L.
APPLICANT: Dueholm, Kim L.
APPLICANT: Christenenen, Leiked Peptide Nucleic Acids
FILE REFERENCE: ISISIS7
CURRENT APPLICATION NUMBER: US/08/275,951
CURRENT FILING DATE: 1994-07-15
PRIOR APPLICATION NUMBER: 08/088,658
PRIOR APPLICATION NUMBER: 08/088,661
PRIOR APPLICATION NUMBER: 08/088,661
PRIOR APPLICATION NUMBER: 08/088,661
PRIOR APPLICATION NUMBER: 986/91
PRIOR FILING DATE: 1991-05-22
PRIOR FILING DATE: 1991-05-22
PRIOR FILING DATE: 1991-04-15
NUMBER OF SEQ ID NOS: 65
SOFTWARE: Patentin Ver: 2.1
SEQ ID NO 49
LENGTH: 20
                                                                                                                                           0.3%; Score 15.4; DB 1;
94.1%; Pred. No. 1.1e+02;
tive 0; Mismatches 1;
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Pred. No. 1.1e+02;
0; Mismatches 2;
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Patent No. 6451968
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: DNA ORGANISM: Artificial Sequence
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Local Similarity 88.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Egholm, Michael
Kiely, John
Griffin, Michael
Coull, James M.
                                                                                                                                                                                                                                                                                     18 rchahrcrrrrregarc
    NAME/KEY: misc_feature
                                                                                                                                                                  Best Local Similarity 94.1
Matches 16; Conservative
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US-08-275-951-49/c
                                                                                                                                              Query Match
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Patent No. 6258359
GENERAL INFORMATION:
APPLICANT: Labigne, Agnes
APPLICANT: Sauerbaum, Sebastien
APPLICANT: Thiberge, Jean-Mitchel
TITLE OF INVENTION: IMMUNOGRAIC COMPOSITIONS AGAINST
TITLE OF INVENTION: COMPOSITIONS, AND NUCLEIC ACID SEQUENCES ENCODING SAID
TITLE OF INVENTION: POLYPEPTIDES
NUMBER OF SEQUENCES: 44
CORRESPONDENCES: 44
ADDRESSONDER ADDRESS:
                                                                                                                                                                                                                                                                                       Gaps
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                                                                                                                                                                                                                                    Query Match 0.3%; Score 15.4; DB 1; Length 20; Best Local Similarity 94.1%; Pred. No. 1.1e+02; Matches 16; Conservative 0; Mismatches 1; Indels
                                                                                        COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPTOTE: BM PC compatible
COMPUTER: IBM PC compatible
SECTAME: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/466,248
FILING DATE: 06-JUN-1995
CLASSIFICATION NUMBER: US 08/417,177
FILING DATE: 19-MAY-1995
CLASSIFICATION DATA:
APPLICATION NUMBER: US 08/412,697
FILING DATE: 02-MAY-1995
CLASSIFICATION: 435
PRIOR APPLICATION: 435
CLASSIFICATION: 435
CLASSIFICATION: 435
CLASSIFICATION: 435
CLASSIFICATION: 435
CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADDRESSEE: Finnegan, Henderson, Farabow, Garrett
ADDRESSEE: Dunner
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ATTORNEY/AGENT INFORMATION:
NAME: Meyers, Kenneth J.
REGISTRATION NUMBER: 25,146
REFERENCE/DOCKET NUMBER: 03495.0137-02000
                                                                                                                                                                                                                                                                                                                                 1800 TGAAATCCTTTTGGATC 1816
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 408-4000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           STREET: 1300 I Street, N.W. CITY: Washington
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TOPOLOGY: linear _
MOLECULE TYPE: DNA (genomic)
                                                                                                                                                                                                                                                                                                                                                                                18 rGAAArCTTTTTGGATC 2
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INFORMATION FOR SEQ ID NO: 6
SEQUENCE CHARACTERISTICS:
LENGTH: 20 base pairs
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STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-08-466-248-6/c
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Query Match 0.33
Best Local Similarity 94.13
Matches 16; Conservative
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 base pairs
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APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-09-081-385-98
US-09-081-385-98
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                                         Sequence 6200, Application US/09422978

j Sequence 6200, Application US/09422978

j Ratent No. 6537751

j GENERAL INFORMATION:

j APPLICANT: Cohen, Daniel

j APPLICANT: Chumakov, 11ya

j TITLE OF INVENTION: Biallelic markers for use in constructing a high density...

j TITLE NEFERENCE: GENSET. 0220791

j CURRENT FILING DATE: 1999-10-20

j EARLIER FILING DATE: 1999-04-21

j EARLIER APPLICATION NUMBER: US 60/109,732

j EARLIER FILING DATE: 1998-11-23

j EARLIER PILING DATE: 1998-11-23

j EARLIER PILING DATE: 1998-11-23

j EARLIER FILING DATE: 1998-11-23

j EARLIER FILING DATE: 1998-11-33

j EARLIER FILING DATE: 1998-11-33
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LOCATION: 1..20

JOCHER INFORMATION: upstream amplification primer 99-10046 for SEQ 2266,
018-02-278-6200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: LOCARNINI, STEPHEN A
APPLICANT: BARTHOLOMEUSZ, ANGELINE I
APPLICANT: BARTHOLOMEUSZ, ANGELINE I
APPLICANT: AFE, THEIN T
APPLICANT: DEMAN, ROBERT A
TITLE OF INVENTION: VIRAL VARIANTS AND METHODS FOR DETECTING SAME
TITLE OF INVENTION: VIRAL AS 1999-05-06
CURRENT APPLICATION NUMBER: US/09/306,420C
CURRENT FILING DATE: 1999-06-06
PRIOR APPLICATION NUMBER: PCT/AU97/00520
PRIOR PILING DATE: 1999-08-15
PRIOR PILING DATE: 1999-08-16
NUMBER OF SEQ ID NOS: 57
SOFTWARE: PATENTIN VEY: 2.0
SEQ ID NO 6
LENGTH: 20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0.3%; Score 15.4; DB 1; Length 20; 94.1%; Pred. No. 1.1e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Pred. No. 1.1e
0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 6, Application US/09306420C Patent No. 6555311
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   4356 GAAAATAAGGTTTTGGG 4372
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match 0.3
Best Local Similarity 94.1
Matches 16, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Best Local Similarity 94.1
Matches 16; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: DNA
ORGANISM: Homo Sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Patent No. 6555311
GENERAL INFORMATION:
                                   -09-422-978-6200/c
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ATTORNEY/AGENT INFORMATION:
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                                                                                                                                                                                                                                                                                              linear
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                                                                                                                                                                                                                                                                                           TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ;
US-08-598-591-57
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                  SEE: Woodcock, Washburn, Kurtz, Mackiewicz & No. 5558988ris
: One Liberty Place, 46th floor
Philadelphia
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| Patent No. 5599674
| GENERAL INFORMATION |
| APPLICANT: PIMPSON, ANDREW J.G.
| APPLICANT: SIMPSON, ANDREW J.G.
| TITLE OF INVENTION: SEQUENCE OF A PURIFIED DNA SEGMENT |
| TITLE OF INVENTION: SEQUENCE OF A PURIFIED DNA SEGMENT |
| NUMBER OF SEQUENCES: |
| CORRESPONDENCE ADDRESS: |
| ADDRESSER: MORRISON & FOERSTER |
| STREET: 755 Page Mill Road |
| CITY: Palo Alto |
| STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0.3%; Score 15.2; DB 1; Length 20;
85.0%; Pred. No. 1.2e+02;
tive 0; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/406,635
                                                                                                                                                   COMPUTER READABLE FURN:
MEDIUM TYPE: Ploppy disk
COMPUTER: LBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOCTWARE: WORDPERCECT 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/977,284A
FILING DATE: 13-NOV-1992
CLASSIFICATION NUMBER: US/07/977,284A
FILING DATE: 13-NOV-1992
CLASSIFICATION NUMBER: 33,229
RILING DATE:
APPLICATION NUMBER: 33,229
REPREDENCE/DOCKET NUMBER: TJU-0697
REPREDENCE/DOCKET NUMBER: TJU-0697
REPREDENCE/DOCKET NUMBER: TJU-0697
TELECHONE: (215) 568-3199
INFORMATION FOR SEQ ID NO: 103:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/100,738
FILING DATE: 29-JUL-1993
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          3947 GGTCTTCAAGCAATGCGTGG 3966
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COUNTRY: USA
ZIP: 94304-1018
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: ISM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              17; Conservative
                                                                                                                            ZIP: 19103
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
COMPUTER: IBM PC com
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              LENGTH: 20
TYPE: NUCLBIC ACID
STRANDEDNESS: SINGLE
TOPOLOGY: LINEAR
ANTI-SENSE: YES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Best Local Similarity
                                                                                   STATE: PA
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RESULT 124
US-08-406-635-14/c
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NAME: MUNESTERATION NUMBER: 29 999

REPRENENCE DOCKET WINNERS: 4519-7000.00

TELEDOCHMUST CHOCKET WINNERS: 4519-7000.00

TELEDOCHMUST NUMBER: 29 999

TELEDOCHMUST NUMBER: 45119-4000.00

TELEDOCHMUST NEW SEG DID NO: 14:

SEGURATE CHARACTERISTIES

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ZIP: 20877
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
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                                                                                                                        STATE: M
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Sequence No. 568383

GENERAL INFORMATION:
APPLICANT: Obashi, Tetsuo
APPLICANT: Tanaka, Reiko
TITLE OF INVENTION: Oligonucleotides for Detecting
TITLE OF INVENTION: Salmonella Species and Detection Process Using the Same
NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
ADDRESSEE: Birch, Stewart, Kolasch and Birch
STREET: P.O. Box 747
CITY: Falls Church
STATE: VA
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85.0%; Pred. No. 1.2e+02;
tive 0; Mismatches 3; Indel8
  0.3%; Score 15.2; DB 1; Length 20; 85.0%; Pred. No. 1.2e+02; tive 0; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SOFTWARE: Patentin Release #1.0, Version #1.30 CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/637,902
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ORGANISM: Salmonella typhimurium
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                    4104 CTGTCATCCTTCCAGGGCTC 4123
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Welner, Marc S
REGISTRATION NUMBER: 32,181
REPRENCE/DOCKET NUMBER: 1422
TELECOMMUNICATION INFORMATION:
TELEFAX: (703) 205-8000
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 8, Application US/08233005; Patent No. 5710262; GENERAL INFORMATION:
APPLICANT: Tedder, Thomas F.
                                                                                                                          1 crgrcarrcrrccrgrgcrc 20
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MOLECULE TYPE: genomic DNA
HYPOTHETICAL: NO
Query Match
Best Local Similarity 85.04
Matches 17; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match 0.3
Best Local Similarity 85.0
Matches 17; Conservative
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ZIP: 22040-0747
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-08-233-005-8/c
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PEPLICANT. 2000. LIANGS-CITE ACTIVATION ANTIGENS
WURBER OF ENDERTON: LIANGS-CITE ACTIVATION ANTIGENS
WURBER OF SEQUENCES:
JONESSERVENCES: Mainstrate, Schurgin, Gagnebin & Hayes
CORNETS: The Act of the Sequence of SEQUENCES:
STREET: Read Post office Square
CONNETS: READABLE FORM:
MINITING STREET: WAS CONNETS: A SOUND ASSETT OF SEQUENCES:
CONNETTS: READABLE FORM:
MINITING STREET: WAS CONNETS: A SOUND ASSETT OF SEQUENCES: A SOUND ASSETT OF SEQUENCES:
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PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/585,391
FILING DATE: 11-0AN-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/576,559
FILING DATE: 21-DEC-1995
PRIOR APPLICATION NUMBER: US 08/575,359
FILING DATE: 20-DEC-1995
FILING DATE: 18-DEC-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 120, Application US/08639501
Patent No. 5837492
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       3746 CATCTGATAATGGTGCTGTC 3765
CHARGE TO NO. 8.

LENGTH: CHARACTERISTICS:
LENGTH: 20 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
NOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
SANTI-SENSE: NO
US-08-428-943-8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  20 cricidardaracrerc 1
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Kamb, Alexander
Simard, Jacques
Couch, Fergus
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TELEPHONE: 202-962-4810
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                                                                                                                                                                                                                                                                                                                                                                                 0.34
Best Local Similarity 85.04
Matches 17; Conservative
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SEQUENCE CHARACTERISTICS
LENGTH: 20 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               LZ01 New LZ1Y: Washington STATE: DC COUNTRY: IIS? ZIP
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STREET: 120
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APPLICANT:
APPLICANT:
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Pred. No. 1.2e+02;
0; Mismatches 3; Indels
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| Patent No. 5766570
| GENERAL INFORMATION:
| APPLICANT: Tedder, Thomas F.
| APPLICANT: Zhou, Liang-Ji
| TITLE OF INVENTION: LYMPHOCYTE ACTIVATION ANTIGENS AND
| TITLE OF INVENTION: ANTIBODIES THERETO
| NUMBER OF SEQUENCES: 15
| CORRESPONDENCE ADDRESS:
| ADDRESSEE: Weingarten, Schurgin, Gagnebin & Hayes
| STREET: Ten Post Office Square
| CITY: Boston
         COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/798,691
FILING DATE: 12-Feb-97
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Thomas Gallegos
REGISTRATION NUMBER: 32,692
REGISTRATION NUMBER: 32,692
REGISTRATION NUMBER: 32,692
REGISTRATION NUMBER: 31,692
INFORMATION FOR SEQ ID NO: 61:
SEQUENCE CRARACTERISTICS:
LENGTH: 20 base pairs
TYPE: nucled: acid
STRANNEDNESS: nucled: acid
TYPE: nucled: acid
TYPE: nucled: acid
TYPE: nucled: acid
TYPE: nucled: acid
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COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/428,943
FILING DATE:
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PRIOR APPLICATION DATA:
APPLICATION DATA:
APPLICATION NUMBER: US 08/233,005
PRIOR APPLICATION NUMBER: US 07/870,029
FILING DATE: 17-APR-1992
ATTORNEY/AGENT INFORMATION:
NAME: Holliday C. Heine, Ph.D.
REGISTRATION NUMBER: 34,346
REFERRECE/DOCKET NUMBER: DFCC-230BX
TELECOMMUNICATION: INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 4104 CIGICATCCTTCCAGGGCTC 4123
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MOLECULE TYPE: DNA (genomic)
ORIGINAL SOURCE:
STRAIN: 19F primer
US-08-798-691-61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity 85.0%;
Matches 17; Conservative
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy of
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Gaps
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     Length 20;
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APPLICANT: Romens, Johanna
APPLICANT: Romens, Johanna
APPLICANT: Romens, Johanna
TITLE OF INVENTION: Chromosome 13-Linked Breast Cancer
TITLE OF INVENTION: Susceptibility Gene
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       E: Venable, Baetjer, Howard & Civiletti
1201 New York Avenue N.W., Suite 1001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: TBM PC compactible
OPPERTING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
PAPPLICATION NUMBER: US/08/639,501
FILING DATE: 29-APR-1996
CLASSIFICATION: 530
0.3%; Score 15.2; DB 1;
85.0%; Pred. No. 1.2e+02;
tive 0; Mismatches 3;
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0.3%; Score 15.2; DB 1;
85.0%; Pred. No. 1.2e+02;
tive 0; Mismatches 3;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ; LOCATION: 1..20
; OTHER INFORMATION: /note= "primer KJC47"
US-08-974-180-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 120, Application US/09044946; Patent No. 6033857; GENERAL INFORMATION: APPLICANT: Tavtigian, Sean V. APPLICANT: Kamb, Alexander APPLICANT: Simard, Jacques APPLICANT: Couch, Fergus
3947 GGTCTTCAAGCAATGCGTGG 3966
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     15 GCAGGAATTCGGCACGAGGG 34
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                       20 GGTCTTCAGGGAATGCCTGG 1
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Matches 17; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TOPOLOGY: linear MOLECULE TYPE: DNA FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT 133
US-09-044-946-120/c
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APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz & No. 5948611ris
STREET: One Liberty Place - 46th Floor
CITY: Philadelphia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
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                                                                                                                                                                0.3%; Score 15.2; DB 1; Length 20; 85.0%; Pred. No. 1.2e+02; tive 0; Mismatches 3; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Prockop, Darwin J.
APPLICANT: Ala-Kokko, Leena
APPLICANT: Williams, Charlene J.
APPLICANT: Ritvaniemi, Pertti
APPLICANT: Baldwin, Clinton
APPLICANT: Hopkinson, Ian
APPLICANT: Ahmad, Nilofer Nina
TITLE OF INVENTION: Methods of Detecting A Genetic
NUMBER OF SEQUENCES: 293
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match 0.3%; Score 15.2; DB 1; Best Local Similarity 85.0%; Pred. No. 1.2e+02; Matches 17; Conservative 0; Mismatches 3;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           MEDIUM TYPE: DISKETTE, 3.5 INCH
COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows 3.1
SOFTWARE: WORDPERFECT 6.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/256,426B
FILING DATE: 03-FEB-1995
CLASSIFICATION NUMBER: DCT/US93/10964
APPLICATION NUMBER: DCT/US93/10964
FILING DATE: 12-NOV-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/977,284
FILING DATE: 13-NOV-1992
ATTOCNEY/AGENT INFORMATION:
NAME: MAIK DELUCA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           REGISTRATION NUMBER: 33,229
REFERENCE/DOCKET NUMBER: TJU1-1082
TELECOMMUNICATION INPORMATION:
TELEPHONE: (215) 568-3430
INFORMATION FOR SEQ ID NO: 103:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                             ; Sequence 103, Application US/08256426B
; Patent No. 5948611
; GENERAL INFORMATION:
                       TOPOLOGY: linear
MOLECULE TYPE: other nucleic acid
DESCRIPTION: /desc = "Primer"
HYPOTHETICAL: NO
ANTI-SENSE: YES
US-08-639-501-120
                                                                                                                                                                                                                                                    TTCT 612
                                                                                                                                                                                                                                                                                               20 crcccrccaagrracrrrcr 1
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Best Local Similarity 85.0
Matches 17; Conservative
                                                                                                                                                                                                                                                        593 CICCCICCAGAICCI
        STRANDEDNESS: single
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MEDIUM TYPE: DISKETT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              LENGTH: 20
TYPE: NUCLEIC ACID
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TOPOLOGY: LINEAR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      USA
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WS-08-974-180-4
US-08-974-180-4
US-08-974-180-4
| Sequence 4, Application US/08974180
| Patent No. 6025194
| GENERAL INFORMATION:
| APPLICANT: Funk, Walter |
| TITLE OF INVENTION: Methods for Modulating and Identifying |
| TITLE OF INVENTION: Callular Senescence |
| TITLE OF INVENTION: Callular Senescence |
| TITLE OF SEQUENCES: 3 6
| CORRESPONDENCE ADDRESS: ADDRESSE: ADDRESSE: Geron Corporation |
| STREET: 230 Constitution Drive |
| CITY: Menlo Park |
| STATE: California |
| COUNTRY: USA |
| C
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Nomens, Johanna
APPLICANT: Weber, Barbara
APPLICANT: Weber, Barbara
TITLE OF INVENTION: Chromosome 13-Linked Breast Cancer
TITLE OF INVENTION: Susceptibility Gene
NUMBER OF SEQUENCES: 124
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER READBLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
CORREATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/974,180
FILING DATE: 19-NOV-1997
CLASSIFICATION NUMBER: 32,704
REGISTRATION NUMBER: 32,704
REGISTRATION NUMBER: 32,704
REFERENCE/DOCKET NUMBER: 206
TELEPOMNICATION INFORMATION:
TELEFAX: (650) 473-779
TELEFAX: (650) 473-8654
INPORMATION POR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 base pairs
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Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Tedder, Thomas F.
APPLICANT: Zhou, Liang-Ji
TITLE OF INVENTION: LYMPHOCYTE ACTIVATION ANTIGENS AND
TITLE OF INVENTION: ANTIBODIES THERETO
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS: ADDRESS: ADDRESSE: Weingarten, Schurgin, Gagnebin & Hayes
STREET: Ten Post Office Square
              MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/825,487A
FILING DATE: 28-MAR-1997
CLASSIFICATION: 435
PRIOR APPLICATION MABER: PCT/US98/060002
FILING DATE: 26-Mar-1998
CLASSIFICATION: 435
ATTONEY/AGENT INFORMATION:
NAME: Albert P. Halluin
REGISTRATION NUMBER: 25,227
REBERBNCE/DOCKET NUMBER: 05371.0012.999
TELEFHONE: 650-463-8100
TELEFRAM: 650-463-8100
TELEFRAM: 650-463-8100
SEQUENCE CHARACTERISTICS:
LENGTH: 20 base pairs
LENGTH: 20 base pairs
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/016,649
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FILING DATE:
CLASSIFICATION:
RHOR APPLICATION DATA:
RAPPLICATION NUMBER: US/08/428,943
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APPLICATION NUMBER: US 08/233,005
FILING DATE: 25-APR-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/870,029
FILING DATE: 17-APR-1992
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   4104 CTGTCATCCTTCCAGGGCTC 4123
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; Sequence 8, Application US/09016649
; Patent No. 6068984
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         not relevant
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     MOLECULE TYPE: DNA (genomic)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: nucleic acid
STRANDEDNESS: not r
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   STRAIN: 19F primer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADDRECT: Te..
STREET: Te..
Tmv: Boston
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CITY: Boston
STATE: MA
COUNTRY: US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  02109
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Setent No. 6046689

GENERAL INFORMATION:
APPLICANT: Wurbhy, Patricia D.
APPLICANT: Withe, Marga B.
TITLE OF INVENTION: METHODS FOR IDENTIFYING VARIATIONS IN POLYNUCLEOTIDE SEQUENCE
NUMBER OF SEQUENCES:
ADDRESSEE: Howrey & Simon
STREET: 1299 Pennyalvania Avenue., N.W.
CITRE: DC
COUNTRY: Washington,
STATE: DC
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gарв
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STREET: Venable, Baetjer, Howard & Civiletti STREET: 1201 New York Avenue N.W., Suite 1001 CITY: Washington STATE: DC COUNTE: DC
                                                                                                                                                                                                                MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
                                                                                                                                                                                                                                                                                                                                                                                                                                            FILING DATE:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/576,559

FILING DATE: 21-DEC-1995

PRIOR APPLICATION NUMBER: US 08/575,359

RILING DATE: 20-DEC-1995

PRIOR APPLICATION NUMBER: US 08/575,379

RILING DATE: 18-DEC-1995

ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                     CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/044,946
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MOLECULE TYPE: other nucleic acid DESCRIPTION: /desc = "Primer"
                                                                                                                                                                                                                                                                                                                                                                       CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/639,501
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          593 CTCCCTCCCAGATCCTTTCT 612
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NAME: Ihnen, Jeffrey L.
REGISTRATION NUMBER: 28,957
REFERENCE/DOCKET NUMBER: 241
TELECOMMUNICATION: INFORMATION:
TELEPHONE: 202-962-4810
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TELEFAX: 202-962-8300
INFORMATION FOR SEQ ID NO: 120:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            LENGTH: 20 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                       COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                          CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER READABLE FORM:
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                                                                                                                                             USA
                                                                                                                                           COUNTRY: U
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Gaps
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85.0%; Pred. No. 1.2e+02;
tive 0; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Murphy, Patricia D.
APPLICANT: Murphy, Patricia D.
APPLICANT: Allen, Antonette C.
APPLICANT: Alvares, Christopher P.
APPLICANT: Critz, Brenda S.
APPLICANT: Critz, Denise
APPLICANT: Critz, Denise
APPLICANT: Coding Sequences of the Human TITLE OF INVENTION: BRCA1 Gene
NUMBER OF SEQUENCES: 72
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/074,476
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADDRESSEE: Howrey & Simon
STREET: 1299 Pennsylvania Avenue N. W.
CITY: Washington
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Albert P. Halluin
REGISTRATION NUMBER: 25,227
REFERENCE/DOCKET NUMBER: 5371.34.US01
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-962-4810
TELEPAX: 202-962-4810
INFORMATION FOR SEQ ID NO: 120:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear:
DESCRIPTION: /desc = "Primer"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 61, Application US/09074476 Patent No. 6130322 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                               593 CTCCCTCCCAGATCCTTTCT 612
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/074,453
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           20 CTCCCTCCAAGTTACTTTCT 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TELEFAX: 650-463-8400
INFORMATION FOR SEQ ID NO: 61:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 base pairs
TYPE: mucleic acid
STRANDEDNESS: not relevant
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      DNA (genomic)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TELEPHONE: 650-463-8109
TELEFAX: 650-463-8400
                                                                                                                                                                                                                                                                                                                                                                                                                Matches 17; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COUNTRY: USA
ZIP: 20004
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                        Best Local Similarity
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CLASSIFICATION:
                                                                                                                                                                                                                                                                                            ; ANTI-SENSE: YES
US-09-044-908-120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MOLECULE TYPE: ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                   HYPOTHETICAL:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT 137
US-09-074-476-61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       STATE:
                                                                                                                                                                                                                                                                                                                                                                    Query Match
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Tartigian, Sean V.
APPLICANT: Tartigian, Alexander
APPLICANT: Simard, Jacques
APPLICANT: Simard, Jacques
APPLICANT: Couch, Fergus
APPLICANT: Romens, Johanna
APPLICANT: Weber, Barbara
TITLE OF INVENTION: Chromosome 13-Linked Breast Cancer
TITLE OF INVENTION: Susceptibility Gene
NUMBER OF SEQUENCES: 124
CORRESPONDENCE ADDRESS:
ADDRESSEE: Venable, Baetjer, Howard & Civiletti
STREET: 1201 New York Avenue N.W., Suite 1001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COMPOTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOPTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION UMBER: US/09/044,908
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FRICK DATE:
FRICK DATE:
APPLICATION NUMBER: US 08/576,559
FILING DATE: 21-DEC-1995
FRICK APPLICATION DATA:
APPLICATION NUMBER: US 08/575,359
FRICK APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
APPLICATION UNMBER: US 08/573,779
FILING DATE: 18-DEC-1995
ATTORNEY/AGENT INFORMATION:
NAME: 14-DEC-1995
REGISTRATION NUMBER: 28,957
REFERENCE/DOCKET NUMBER: 24894-116802-04
                           NAME: HOllday C. Heine, Ph.D.
REGISTRATION NUMBER: 34,346
REFRERENCE/DOCKET NUMBER: 34,346
FELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 542-2290
ITELEPHONE: (617) 451-0313
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 base pairs
TYPE: nucleic acid
STRANDENNESS: single
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 120, Application US/09044908 Patent No. 6124104 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TGTC 3765
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/639,501
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    20 cricicarcaraciaciere 1
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MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENGT
                 ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          3746 CATCTGATAATGGTGC
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US-09-016-649-8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-09-044-908-120/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      STATE: DC
COUNTRY: US
ZIP: 22204
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 base pairs
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STRANDEDNESS: single
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                                                        Score 15.2; DB 1; Length 20;
Pred. No. 1.2e+02;
0; Mismatches 3; Indels
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85.0%; Pred. No. 1.2e+02;
tive 0; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                   TITLE OF INVENTION: COMPOUND
TITLE OF INVENTION: COMPOUND
TITLE OF INVENTION: COMPOUND
TITLE OF INVENTION: COMPOUND
TITLE OF INVENTION: 185
CORRESPONDENCES: 185
ADDRESSEE: MORGAN & FINNEGAN, L.L.P.
STREET: 345 PARK AVENUE
CITY: NEW YORK
STATE: NEW YORK
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ZIF: 10154
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version
SOFTWARE: #1.30 (EPO)
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICATION NUMBER: US/08/765,340
FILING DATE: 23-DEC-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 145146/94
FILING DATE: 27-JUN-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 311130/94
FILING DATE: 21-NOV-1994
ATTORNEY/AGENT INFORMATION:
NAME: SERUNIAN, LESLIE
REGISTRATION NUMBER: 35,353
REFERENCE/DOCKET NUMBER: 1452-4005
TELECOMMUNICATION INFORMATION:
TELECHONE: (212) 758-4800
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                MOLECULE TYPE: other nucleic acid
DESCRIPTION: /desc = "synthetic DNA"
                                                                                                                                         4104 CIGICAICCIICCAGGGCIC 4123
                                                                                                                                                                                                                                                       US-08-765-340-10
; Sequence 10, Application US/08765340
; Patent No. 6150092
; GENERL INFORMATION:
; APPLICANT: UCHIDA, K.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              5025 AAAAAAAAAAAAAAAAA 5044
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                                                          Query Match
Best Local Similarity 85.0%;
Matches 17; Conservative 0
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             LENGTH: 20 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: MATSUDA, Y. APPLICANT: KONDO, S.
                                                                                                                                                                                                                                                                                                                                                          APPLICANT: UCHIDA, T. APPLICANT: TANAKA, Y.
; STRAIN: 19F primer
US-09-074-476-61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              linear
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Matches 17; Conserv
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Sequence 28, Application US/09467082
GENERAL INFORMATION:
APPLICANT: Brett P. Monia
APPLICANT: Lex M. Cowsert
TITLE OF INVENTION: ANTISENSE MODULATION OF PKA CATALYTIC SUBUNIT C-ALPHA EXPRESSION FILE OF FILE REFERENCE: RTS-0088
CURRENT APPLICATION NUMBER: US/09/467,082
CURRENT FILING DATE: 1999-12-17
NUMBER OF SEQ ID NOS: 49
SEQ ID NO 28
LENGTH: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: Shannon, Karen W.
APPLICANT: Shannon, Karen W.
APPLICANT: Webber, Paul K.
APPLICANT: Webb, Peter G.
APPLICANT: Webb, Peter G.
APPLICANT: Webb, Peter G.
TITLE OF INVENTION: Methods for evaluating oligonucleotide
TITLE OF INVENTION: probe sequences
NUMBER OF SEQUENCES: 1165
CORRESPONDENCE ADDRESS:
ADDRESSEE: Records Manager, Legal Department, Hewlett-Packard Company M/S 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gapa
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                3; Indels
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COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/021,701
FILING DATE: 10-FEB-1998
CLASSIFICATION:
ATTORNEY/ACTION:
                                                                                                                                                                                                                                                                                                                                                                                                                       Score 15.2; DB 1;
Pred. No. 1.2e+02;
0; Mismatches 3;
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; Sequence 549, Application US/09021701
; Patent No. 6251588
; GENERAL INFORMATION:
APPLICANT: Shannon, Karen W.
APPLICANT: Wolber, Paul K.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                313 AGTICTCCTCCCAGGACCAC 332
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ATTORNEY/AGENT INFORMATION:
NAME: Chol, Wendy A.
REGISTRATION NUMBER: 36,697
REFERENCE/DOCKET NUMBER: 1097
TELECOMUNICATION INFORMATION:
TELEPHONE: 650-236-2386
TELEPAX: 650-852-8063
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             20 AGTICTCCTTCAAGGACAAC 1
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Palo Alto
                                                                                                                                                                                                                                                                                  TYPE: DNA ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match 0.3%;
Best Local Similarity 85.0%;
Matches 17; Conservative
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20 TIGIGGATCTGCATGAGTTC 1
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Best Local Similarity 85.0%;
Matches 17; Conservative
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ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: DNA
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Best Local Similarity 85.0 Matches 17; Conservative
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                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GENERAL INFORMATION:
APPLICANT: C. Frank Bennett
APPLICANT: C. Frank Bennett
APPLICANT: Lex M. Cowsert
TITLE OF INVENTION: ANTISENSE MODULATION OF CYTOHESIN-2 EXPRESSION
FILE REFERENCE: R79-0096
CURRENT APPLICATION NUMBER: US/09/428,583
CURRENT FILING DATE: 1999-10-27
NUMBER OF SEQ ID NOS: 89
SEQ ID NO 45
LENGTH: 20
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                                           0.3%; Score 15.2; DB 1; Length 20;
85.0%; Pred. No. 1.2e+02;
trive 0; Mismatches 3; Indel8
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85.0%; Pred. No. 1.2e+02;
tive 0; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 20;
                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Wallinder, Karen G.
APPLICANT: Madersen, Morten B.
TITLE OF INVENTION: Hydrogen Peroxidase Stability
TITLE OF INVENTION: Hydrogen Peroxidase Stability
FILE REFERENCE: 3769,214-US
CURRENT APPLICATION NUMBER: US/09/168,406A
CURRENT FILING DATE: 1998-10-06
PRIOR PILING DATE: 1994-11-01
PRIOR PILING DATE: 1994-11-01
PRIOR PILING DATE: 1993-06-01
PRIOR FILING DATE: 1992-06-01
STROR FILING DATE: 1992-06-01
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0.3%; Score 15.2; DB 1;
Best Local Similarity 85.0%; Pred. No. 1.2e+02;
Matches 17; Conservative 0; Mismatches 3;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ; OTHER INFORMATION: Antisense Oligonucleotide US-09-428-583-45
                                                                                                                                                                                                                                                                   US-09-168-406A-28/c
; Sequence 28, Application US/09168406A
; Patent No. 6258769
; GENERAL INFORMATION:
                                                                                                                                       3311 AAAATAAAAACCAGTAATA 3330
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1273 AAGAGAGCAATGGACATCTT 1292
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                                                                                                                                                                                20 AAAAGAAAAAATCAGTAACA 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: DNA
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match 0.35
Best Local Similarity 85.05
Matches 17; Conservative
                                                                                         Conservative
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                           Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-09-428-583-45/c
    US-09-021-701-549
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3860 TIGIGGATAIGCAICACTIC 3879

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Wis-09-844-634-153/c

Sequence 153, Application US/09844634

Sequence 153, Application US/09844634

Sequence 153, Application US/09844634

Sequence 153, Application US/09844634

GENERAL INFORMATION:

APPLICANT: Andrew T. Watt

TILLE OF INVENTION: ANTISENSE MODULATION OF TUMOR NECROSIS FACTOR RECEPTOR 2 EXPRESSIC

CURRENT APPLICATION NUMBER: US/09/844,634

CURRENT APPLICATION NUMBER: US/09/844,634

CURRENT FILING DATE: 2001-04-27

SEQ ID NOS: 174

LENGTH: 20
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US-09-702-246-31

Sequence 31, Application US/09702246

Sequence 31, Application US/09702246

Sequence 31, Application US/09702246

GREER NO. 6383809

GREER NO. C. Frank Bennett

APPLICANT: C. Frank Bennett

APPLICANT: Lex M. Cowsert

TITLE OF INVENTION: ANTISENSE MODULATION OF CYTOHESIN-1 EXPRESSION

TITLE OF INVENTION NUMBER: US/09/702,246

CURRENT APPLICATION NUMBER: US/09/102,246

CURRENT PILING DATE: 2000-10-30

NUMBER OF SEQ ID NOS: 89

SEQ ID NO 31

LENGTH: 20
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Patent No. 6428994
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: University of Southern California
APPLICANT: University of Southern California
TITLE OF INVENTION: EDNA, GENOMIC, AND PREDICTED PROTEIN
TITLE OF INVENTION: SEQUENCES OF LEARNING-INDUCED KINASES
FILE REFERENCE: 13761-707
CURRENT APPLICATION NUMBER: US/09/411,628
CURRENT FILING DATE: 1999-10-01
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0.3%; Score 15.2; DB 1;
85.0%; Pred. No. 1.2e+02;
trive 0; Mismatches 3;
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Pred. No. 1.2e+02;
0; Mismatches 3;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      OTHER INFORMATION: Antisense Oligonucleotide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            3193 CCTAAAGGGAGTGATCAGGA 3212
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NAME/KEY: primer_bind
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                                                                                                                                                                                                                                                                                                                            -09-198-452A-4833
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APPLICANT:
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Best Local
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                                                                                                                                                          Matches
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Patent No. 6537751

GENERAL INFORMATION:

APPLICANT: Cohen, Daniel

APPLICANT: Chumakov, Ilya

TITLE OF INVENTION: Blallelic markers for use in constructing a high density...

TITLE NETERBNCE: GENSET.020CP1

CURRENT FILING DATE: 1999-104-20

EARLIER FILING DATE: 1999-04-21

EARLIER FILING DATE: 1998-11-23

EARLIER FILING DATE: 1998-11-23

EARLIER FILING DATE: 1998-04-21

WUMBER: US 60/082,614

EARLIER FILING DATE: 1998-04-21

WUMBER: US 60/082,614

SEALIER FILING DATE: 1998-04-21

WUMBER: US 60/082,614

SEALIER FILING DATE: 1998-04-21

WUMBER: US 60/082,614

SEQ ID NO 4301

LENTH: 20
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Patent No. 6451538

GENERAL INFORMATION:
APPLICANT: Lex M. COWBERT

TITLE OF INVENTION:
ANTISENSE MODULATION OF CHKZ EXPRESSION
FILE REPERENCE: TYG-0228
CURRENT APPLICATION NUMBER: US/09/746,694

CURRENT FILING DATE: 2000-12-22

NUMBER OF SEQ ID NOS: 49

LENGTH: 20
                                                                                                                                                                                                                                                           Query Match 0.3%; Score 15.2; DB 1; Length 20; Best Local Similarity 85.0%; Pred. No. 1.2e+02; Matches 17; Conservative 0; Mismatches 3; Indels
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Pred. No. 1.2e+02;
0; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         , OTHER INFORMATION: AntiBense Oligonucleotide US-09-746-694-40
EARLIER APPLICATION NUMBER: US 60/102,906
EARLIER FILING DATE: 1998-10-02
NUMBER OF SEQ ID NOS: 16
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 9
LENGTH: 20
                                                                                                                                                                                            ; OTHER INFORMATION: Antisense primer US-09-411-628-9
                                                                                                                                                                                                                                                                                                                                              2680 CAACCAATAATACAGATTGA 2699
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Best Local Similarity 85.0%;
Matches 17; Conservative 0
                                                                                                                                                     ORGANISM: Artificial Sequence
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ORGANISM: Homo Sapiens
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-09-746-694-40
                                                                                                                                    TYPE: DNA
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Squence 4833, Application US/09198452A

Reduct No. 655924
GENERAL INFORMATION:
GENERAL INFORMATION:
TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragments
TITLE OF INVENTION: thereof and uses thereof, in particular for the diagnosis, prever
TITLE OF INVENTION: and treatment of infection
FILE REFERENCE: 9710-003-999
CURRENT APPLICATION NUMBER: US/09/198,452A
CURRENT APPLICATION NUMBER: 1998-11-24
NUMBER OF SEQ ID NOS: 6849
SEQ ID NOS: 6849
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APPLICANT: Stamp, Lisa
APPLICANT: Morrill, George
APPLICANT: Finstad-Lee, Stacey
ITLE OF INVENTION: No. 6603063el Pesticidal Toxins and Nur
TITLE OF SEQUENCES: 54
CORRESPONDENCE ADDRESS:
ADDRESSEE: Saliward.
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0.3%; Score 15.2; DB 1; Length 20;
Best Local Similarity 85.0%; Pred. No. 1.2e+02;
Matches 17; Conservative 0; Mismatches 3; Indels
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Pred. No. 1.2e+02;
0; Mismatches 3;
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2421 N.W. 41st Street, Suite A-1
                                                                                                                                                                                                                                                                                                                                                                                               4083 CCAGTTGCCAATTTCAAGTC 4102
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Dullum, Charles Joseph
Muller-Cohn, Judy
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Sequence 42, Application US/09307106

; Patent No. 6603063
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Schnepf, H. Ernest
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Stockhoff, Brian A.
Schmeits, James
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ; TYPE: DNA
; ORGANISM: Chlamydia pneumoniae
US-09-198-452A-4833
                                                                                                                                                                                             tich 0.3%;
al Similarity 85.0%;
17; Conservative
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Gaps
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; Sequence 9, Application US/10174794
; Patent No. 6664086
; GENERAL INFORMATION:
; APPLICANT CONTACTION:
; TITLE OF INVENTION: CDMA, GENOMIC, AND PREDICTED PROTEIN
; TITLE OF INVENTION: SEQUENCES OF LEARNING-INDUCED KINASES;
FILE REFRENCE: 137461-707
; CURRENT APPLICATION NUMBER: US/10/174, 794
; CURRENT FILING DATE: 1909-10-01
; PRIOR APPLICATION NUMBER: US 60/102,906
; PRIOR FILING DATE: 1999-10-02
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: 1998-10-02
; SOFTWARE: 1998-10-02
; SEQ ID NO 9
; LENGTH: 20
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MEDIUM TYPE: Ploppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   REGISTRATION NUMBER: <Unknown>
REPERENCE/DOCKET NUMBER: 044921-5049-01-US
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85.0%; Pred. No. 1.2e+02;
tive 0; Mismatches 3;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CORRESPONDENCE ADDRESS:
ADDRESSEE: Morgan Lewis & Bockius LLP
STREET: 1111 Pennsylvania Avenue
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/022,819
FILING DATE: 22-Apr-2002
CLASSIPICATION: <Unknown>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/074,452
FILING DATE: 1998-05-06
ATTORNEY/AGENT INFORMATION:
NAME: «UNKNOWN»
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CITY: Washington DC
STATE: District of Columbia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 56, Application US/10022819
Patent No. 6686163
GENERAL INFORMATION:
APPLICANT: ALLEN, Antonette C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                             FRATURE:
; CTHER INFORMATION: Antisense primer
US-10-174-794-9
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TELEPHONE: 202-739-3000
TELEPAX: 202-739-3001
INFORMATION FOR SEQ ID NO: 56:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 OLSEN, Sheri J.
LAWRENCE, Tammy
ANGELLY, Tracy S.
RABIN, Mark B.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    20 CAACCAAGAAGAAGATTGA 1
                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: DNA
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Best Local Similarity 85.0
Matches 17; Conservative
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Patent No. 6653133
GENERAL INFORMATION:
APPLICANT: Dean, Nicholas M.
APPLICANT: Marcusson, Eric G.
APPLICANT: Wyatt, Jacqueline
TITLE OF INVENTION. Antisense Modulation of Fas Mediated Signaling
FILE REFERENCE: 1SPH-0502
CURRENT APPLICATION NUMBER: US/09/665,615B
CURRENT APPLICATION NUMBER: US 09/290,640
PRIOR PILING DATE: 1999-04-12
PRIOR PILING DATE: 1999-04-12
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Pred. No. 1.2e+02;
0; Mismatches 3;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ; OTHER INFORMATION: Antisense Oligonucleotide US-09-665-615B-177
                                                                         PRIOR APPLICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILLING DATE: 30-OCT-1996
PRIOR APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
APPLICATION NUMBER: US 09/073,898
FILLING DATE: 05-MAY-1998
ATTORNEY/AGENT INFORMATION:
REGISTRATION NUMBER: 39,355
REFERENCE/DOCKET NUMBER: 39,355
REGIGNORE CHARACTERISTICS:
LENGTH: 20 base pairs
TYPE: nucleic acid
STRANDENESS: single
                                  APPLICATION NUMBER: US/09/307,106 FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             3312 AAATAAAAACCAGTAATAC 3331
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ; TOPOLOGY: linear; MOLECULE TYPE: DNA (genomic) US-09-307-106-42
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity 85.0%;
Matches 17; Conservative 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NUMBER OF SEQ ID NOS: 179
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 177
LENGTH: 20
            CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-09-665-615B-177
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RESULT 151 US-10-174-794-9/c

FEATURE:

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Gapa
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  0.3%; Score 15.2; DB 1; Length 20;
85.0%; Pred. No. 1.2e+02;
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85.0%; Pred. No. 1.2e+02;
tive 0; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MEDIUM TYPE: Floppy disk
COMEUTER: IBM PC compatible
COMEUTINE: SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/734,672A
FILING DATE: 13-Dec-2000
PRIOR APPLICATION NUMBER: US 08/966,436
FILING DATE: 1997-11-07
APPLICATION NUMBER: US 08/598,591
FILING DATE: 1996-02-12
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                              APPLICANT: Murphy, Patricia D.
Allen, Antonette C.
Alvares, Christopher P.
Critz, Brenda S.
Olson, Sheri J.
Schelter, Denise B.
Zeng, Bin
TITLE OF INVENTION: Coding Sequences of the Human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 REGISTRATION NUMBER: 43,210
REFERENCE/DOCKET NUMBER: 44921-5055-02-US
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADDRESSEE: Morgan Lewis & Bockius LLP
STREET: 1111 Pennsylvania Ave., N.W.
CITY: Washington
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ; SEQUENCE DESCRIPTION: SEQ ID NO: 61: US-09-734-672A-61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  STATE: District of Columbia COUNTRY: USA
                                                                                           2971 GCCAATATAGTGGACCAGAG 2990
                                                                                                                                                                                                                          s-09-734-672A-61
Sequence 61, Application US/09734672A
Septent No. 6838256
GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NAME: Michael S. Tuscan
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TELEPHONE: 202-739-3000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TOPOLOGY: linear MOLECULE TYPE: DNA (genomic)
                                                                                                                                     20 GCCAATATAGAGGTCCAGGG 1
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INFORMATION FOR SEQ ID NO: 61:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NUMBER OF SEQUENCES: 72
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     17; Conservative
                                                 Conservative
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Matches 17; Conserva
  Query Match
Best Local Similarity
Matches 17; Conserv
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APPLICANT: Mark J. Graham
TITLE OF INVENTION: ANTISENSE MODULATION OF MICROSOWAL TRIGLYCERIDE TRANSFER PROTEIN
TITLE OF INVENTION: APPRESSION
FILE REFERENCE: ISPH-0591
CURRENT APPLICATION NUMBER: US/09/917,963
CURRENT PILING DATE: 2001-07-30
NUMBER OF SEQ ID NOS: 137
LENGTH: 20
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TITLE OF INVENTION: Microsatellite Markers for Plants of the Species
TITLE OF INVENTION: Titlicum Aestivum and Tribe Triticase and the Use of
TITLE OF INVENTION: Titlicum Aestivum and Tribe Triticase and the Use of
TITLE OF INVENTION: Said Markers
FILE REFERENCE: 2936.10400
CURRENT APPLICATION NUMBER: US/08/983,605A
CURRENT FILING DATE: 1998-05-01
EARLIER PILING DATE: 1998-06-28
NUMBER OF SEQ ID NOS: 466
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 245
LENGTH: 20
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Pred. No. 1.2e+02;
0; Mismatches 3; Indels
                                                                                                                                                                                                                                                                  Score 15.2; DB 1; Length 20;
Pred. No. 1.2e+02;
0; Mismatches 3; Indels
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                                                                                                                                                      ANTI-SENSE: NO FRACMENT TYPE: internal SEQUENCE DESCRIPTION: SEQ ID NO: 56: US-10-022-819-56
                                                               TOPOLOGY: linear
MOLECULE TYPE: other nucleic acid
DESCRIPTION: /desc = "FRIMER
HYPOTHETICAL: NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 245, Application US/08983605A Patent No. 6720137
                                                                                                                                                                                                                                                                                                                                                                4104 CTGTCATCCTTCCAGGGCTC 4123
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Patent No. 6767739
GENERAL INFORMATION:
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LENGTH: 20 base pairs
                       TYPE: nucleic acid
STRANDEDNESS: single
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1 Similarity 85.0%;
17; Conservative (
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ORGANISM: Artificial Sequence
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ; ORGANISM: Triticum aestivum
US-08-983-605-245
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          17; Conservative
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Matches 17; Conserva
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Best Local Similarity
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                                                                                                                                                                                                                                                                    Query Match
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APPLICANT: Chatelain, Francois
APPLICANT: Chatelain, Viktor
Kumarev, Viktor
TITLE OF INVENTION: Process for Preparing Polynucleotides on
a Solid Support and Apparatus Permitting its
Implementation
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ;
0
                                    CURDITY TYPE: Floppy disk
COMPUTER: Floppy disk
COMPUTER: ELEM PC Compatible
COMPATER: Patentin Release #1.0, Version #1.25
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/352,704
FILING DATE: 28-Jan-2003
CLASSIFICATION DATA:
APPLICATION NUMBER: US/08/358,556A
FILING DATE: 14-DEC-1994
APPLICATION NUMBER: FR 9115164
FILING DATE: 16-DEC-1993
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match

0.3%; Score 15; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 90;
Matches 15; Conservative 0; Mismatches 0; Indels
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/352,704
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CORRESPONDENCE ADDRESS:
ADDRESSE: Jacobson, Price, Holman & Stern STREET: 400 Seventh St. N.W.
CITY: Washington D.C
STATE: D.C
                                                                                                                                                                                                                                                                                                                            LOCATION: 1..15
SEQUENCE DESCRIPTION: SEQ ID NO: 10:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 16, Application US/10352704
Patent No. 6825339
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TOPOLOGY: linear MOLECULE TYPE: DNA (genomic)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: nucleic acid
STRANDEDNESS: single
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FRAGMENT TYPE: N-terminal
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ZIP: 20004
COMPUTER READABLE FORM:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NAME/KEY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-10-352-704-16
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APPLICANT: Chatelain, Viktor
Kumarev, Viktor
TITLE OF INVENTION: Process for Preparing Polynucleotides on
INTLE OF INVENTION: Process for Preparing Polynucleotides on
Implementation
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
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                                                                                TITLE OF INVENTION: LYMPHOCYTE ACTIVATION ANTIGENS AND TITLE OF INVENTION: ANTIBODIES THERETO NUMBER OF SEQUENCES: 15 CORRESPONDENCE ADDRESS: ADDRESSEE: Weingarten, Schurgin, Gagnebin & Hayes STREET: Ten Post Office Square
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NUMBER OF SEQUENCES: 31
CORRESPONDENCE ADDRESS:
ADDRESSE: Jacobson, Price, Holman & Stern STREET: 400 Seventh St. N.W.
CITY: Washington D.C
STREE: D.C
COUNTRY: U.S.A.
                                                                                                                                                                                                                                                                                                COMPUTER READSLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/04858
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 15.2; DB 1;
Pred. No. 1.2e+02;
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85.0%; Pred. No. 1...
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PRIOR APPLICATION:
APPLICATION NUMBER: US 08/233,005
FILING DATE: 25-APR-1994
PRIOR APPLICATION NUMBER: US 07/870,029
FILING DATE: 17-APR-1992
ATTORNEY/AGENT INFORMATION:
NAME: Holliday C. Heine, Ph.D.
REGISTRATION NUMBER: 34,346
REFERENCE/DOCKET NUMBER: DFC-230AQ999
TELEPHONEY: (617) 411-0313
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 base pairs
TYPE: nucleic acid
STRANDENNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           3746 CATCTGATAATGGTGCTGTC 3765
               PCT-US95-04858-8/c
; Sequence 8, Application PC/TUS9504858
; GENERAL INFORMATION:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 10, Application US/10352704; Patent No. 6825339 GENERAL INFORWATION:
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Matches 17; Conservative
                                                                                                                                                                                                                        Boston
                                                                                                                                                                                                                                                                 SD
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                                                                                                                                                                                                                                                               COUNTRY: US
ZIP: 02109
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Sequence 6255, Application US/09422978

Facent No. 6237751

GENERAL INFORMATION:

APPLICANT: Cohen, Daniel

APPLICANT: Chumakov, 11ya

TITLE OF INVENTION: Biallelic markers for use in constructing a high density...

FILE REFERENCE: GENSET.020CP1

CURRENT APPLICATION NUMBER: US/09/422,978

CURRENT APPLICATION NUMBER: US 09/298,850

EARLIER FILING DATE: 1999-10-20

EARLIER FILING DATE: 1999-10-21

EARLIER FILING DATE: 1998-11-23

EARLIER FILING DATE: 1998-11-23

EARLIER FILING DATE: 1998-04-21

EARLIER FILING DATE: 1998-04-21

EARLIER FILING DATE: 1998-04-21

SERGIER PELICATION NUMBER: US 60/082,614

EARLIER FILING DATE: 1998-04-21

SERGIER PELICATION NUMBER: US 60/082,614

EARLIER FILING DATE: 1998-04-21

SERGIER PELICATION NUMBER: US 60/082,614
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Batent No. 6204055

GENERAL INFORMATION:
APPLICANT: Dean, Nicholas M.
APPLICANT: Dean, Nicholas M.
APPLICANT: Marcusson, Eric G.
TITLE OF INVENTION: Antisense Compound Modulation of Fas Mediated Signaling File REFERENT APPLICATION NUMBER: US/09/290,640

CURRENT APPLICATION NUMBER: US/09/290,640

NUMBER OF SEQ ID NOS: 85
SOFTWARE: Patentin Ver. 2.0

SEQ ID NO 27
LENGTH: 20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0.3%; Score 15; DB 1; Length 20; 100.0%; Pred. No. 1.2e+02; tive 0; Mismatches 0; Indels
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1124 TCTTTGACACATCAC 1138
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           2435 GICTIAGIGATGCTG 2449
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         43 CGTTTGCTGGGCTG 57
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Best Local Similarity 100.0
Matches 15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: DNA
ORGANISM: Homo Sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NAME/KEY: primer_bind
                                                                                                                                                                                           RESULT 160
US-09-422-978-6255
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US-09-422-978-8771

Sequence 8771.

Patent No. 6537751

GENERAL INFORMATION:

APPLICANT: Cohen, Daniel

APPLICANT: Chumakov, Ilya

TITLE OF INVENTION: Biallelic markers for use in constructing a high density...

FILE REFERENCE: GENER 1099-10-20

CURRENT APPLICATION NUMBER: US/09/422,978

CURRENT APPLICATION NUMBER: US 09/298,850

EARLIER PILING DATE: 1999-04-21

EARLIER FILING DATE: 1998-11-23

EARLIER FILING DATE: 1998-04-21

WUMBER: US 60/082,614

EARLIER FILING DATE: 1998-04-21

WUMBER: US 60/082,614

EARLIER FILING DATE: 1998-04-21

WUMBER: US 60/082,614

EARLIER FILING DATE: 1998-04-21

SEQ ID NO 8771

LENGTH: 18
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NAME/KEY: primer_bind
LOCATION: 1..18

LOCATION: 1..18

USANTON: Ownstream amplification primer 99-18109 for SEQ 906, in compleme US-09-422-978-8771
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 15;
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                                                                                                                                                                                                                                                                                                 NAME: Player, William E.
REGISTRATION NUMBER: 31,409
REFERENCE/DOCKET NUMBER: 10577/P58418
TELECOWMUNICATION INFORMATION:
TELEFAX: (202) 638-666
TELEFAX: (202) 393-5350
TELEX: RCA 24859 IDEA UR
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
                            CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/358,556A
FILING DATE: 14-DEC-1994
APPLICATION NUMBER: FF 9315164
FILING DATE: 16-DEC-1993
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match 0.3%; Score 15; DB Best Local Similarity 100.0%; Pred. No. 90; Matches 15; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ; NAME/KEY: CDS
; LOCATION: 1..15
; SEQUENCE DESCRIPTION: SEQ ID NO: 16:
US-10-352-704-16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        LENGTH: 15 Dase pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECTLE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
FRAGMENT TYPE: N-terminal
FILING DATE: 28-Jan-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         5025 AAAAAAAAAAAAA 5039
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CURRENT FILING DATE: 1999-02-23
NUMBER OF SEQ ID NOS: 86
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LENGTH: 18
                                           SEQ ID NO 45
LENGTH: 18
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Sequence 27, Application US/09665615B
Sequence 27, Application US/09665615B
Patent No. 6651313
APPLICANT: Dean, Nicholas M.
APPLICANT: Marcusson, Eric G.
APPLICANT: Wyatt, Jacqueline
TILLE OF INVENTION: Antisense Modulation of Fas Mediated Signaling
FILE REFERENCE: ISPH-0502
CURRENT APPLICATION NUMBER: US/09/665,615B
CURRENT FILING DATE: 1999-04-12
NUMBER OF SEQ ID NOS: 179
SOFTWARE PATENTIN Ver. 2.0
SEQ ID NO 27
LENGTH: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 45, Application US/09256496
; Patent No. 5998206
; GENERAL INFORMATION:
    APPLICANT: Lex M. Cowsert
    TITLE OF INVENTION: ANTISENSE MODULATION OF G-APLHA-12 EXPRESSION
    FILE REFERENCE: RTS-0056
    CURRENT APPLICATION NUMBER: US/09/256,496
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                                                                                  GENERAL INFORMATION:

APPLICANT: Ian Popoff
APPLICANT: Ian Popoff
TITLE OF INVENTION:

FILE REFERENCE: RTS-0150
CURRENT APPLICATION NUMBER: US/09/517,467B
CURRENT FILING DATE: 2001-0/3-02
PRIOR APPLICATION NUMBER: 09/517,467
PRIOR FILING DATE: 2000-0/3-02
NUMBER OF SEQ ID NOS: 345

LENGTH: 20
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                                                                                                                                                                                                                                                                                                                                                                                                           ; OTHER INFORMATION: Antisense Oligonucleotide US-09-517-4678-343
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   OTHER INFORMATION: Synthetic Sequence
                      US-09-517-467B-343
; Sequence 343, Application US/09517467B
; Patent No. 6451602
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1408 ATTGAAGATCACAGT 1422
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ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                           TYPE: DNA ORGANISM: Artificial Sequence
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US-09-256-496-45
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88.9%; Pred. No. 1.2e+02;
Ive 0; Mismatches 2; Indels
                                                                                                                                                   Length 18;
                                                                                                                                                                                                      2; Indels
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GENERAL NO. 081/312:
GENERAL INFORMATION:
APPLICANT: Paesen, Guido Christiaan
APPLICANT: Paesen, Guido Christiaan
APPLICANT: Nuttall. Patricia Anne
TITLE OF INVENTION: Vascactive Amine Binding Molecules
FILE REFERENCE: 2369-1-001CON
CURRENT APPLICATION NUMBER: US/09/618,919A
CURRENT APPLICATION NUMBER: US/09/180,733
PRIOR FILING DATE: 1996-11-13
PRIOR APPLICATION NUMBER: GB 970784.8
PRIOR FILING DATE: 1996-05-18
PRIOR FILING DATE: 1996-05-18
PRIOR FILING DATE: 1997-04-18
NUMBER OF SEQ ID NOS: 24
SEQ ID NO 3
LENGTH: 18
                                                                                                                                                                                                                                                                                                                                                                                                        US-09-47-947A-340/c

| Sequence 340, Application US/09475947A |
| Sequence 340, Application US/09475947A |
| Sequence 340, Application US/09475947A |
| Patent No. 6472154 |
| GENERAL INFORMATION: |
| APPLICANT: Garner, Harold R. |
| APPLICANT: Wren, John D. |
| TITLE OF INVENTION: Polymorphic Repeats in Human Genes |
| FILE REFERENCE: UTSD0667 |
| CURRENT APPLICATION NUMBER: US/09/475,947A |
| CURRENT FILING DATE: 1999-12-31 |
| NUMBER OF SEQ ID NOS: 346 |
| SOFTWARE: Patentin Ver. 2.1
                                                                                                                                              Query Match

0.3%; Score 14.8; DB 1;
Best Local Similarity 88.9%; Pred. No. 1.2e+02;
Matches 16; Conservative 0; Mismatches 2;
                                                     ; OTHER.INFORMATION: Antisense Oligonucleotide
US-09-256-496-45
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-09-618-919A-3
; Sequence 3, Application US/09618919A
; Patent No. 6617312
                                                                                                                                                                                                                                                         4463 AAGTTGTCCAGGAAATTC 4480
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TYPE: DNA ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
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Best Local Similarity 88.99
Matches 16; Conservative
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APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Kevin R. Kaster
REGISTRATION NUMBER: 32704
REFERENCE/DOCKET NUMBER: 2598
TELEPHONE: (415) 420-3344
TELEPHONE: (415) 420-3344
TELEPHONE: (415) 658-5239
INFORMATION FOR SEQ ID NO: 47: SEQUENCE CHARACTERISTICS:
LENGTH: 19 base, pairs
TYRANDEDNESS: single stranded
TOPOLOGY: linear
MOLECULE TYPE: Other nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TELECOMMUNICATION INFORMATION:
TELEPHONE: (510) 814-2863
TELEFAR: (510) 814-2977
INFORMATION FOR SEQ ID NO: 47:
SEQUENCE CHARACTERISTICS:
LENGTH: 19 base pairs
TYPE: NUCLEIC ACID
STRANDEDNESS: single stranded
TOPOLOGY: linear
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REGISTRATION NUMBER: 32,63
REFERENCE/DOCKET NUMBER: 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ATTORNEY/AGENT INFORMATION
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Best Local Similarity 88.99
Matches 16; Conservative
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Sequence 47 Application US/07696793A

Sequence 47 Application US/07696793A

Patent No. 2220004

GENERAL INFORMATION:
APPLICANT: Nagarabadi, Shanavaz L.
TITLE OF INVENTION: Typing

TITLE OF INVENTION: Typing

NUMBER OF SEQUENCES: 58

CORRESPONDENCE ADDRESS:
ADDRESSEE: Cetus Corporation

STREET: 1400 Fifty-Third Street

COUNTRY: U.S.A.
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                                            Length 18;
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                                                                                        2; Indels
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                                                                                                                                                                                                                                                                                                                        GENERAL INFORMATION:
APPLICANT: Paceon, Guido Christiaan
APPLICANT: Paceon, Guido Christiaan
APPLICANT: Nuttall, Patricia Anne
TITLE OF INVENTION: Vaccactive Amine Binding Molecules
FILE REFERENCE: 2369-1-001CON
CURRENT APPLICATION NUMBER: US/09/618,919A
CURRENT FILING DATE: 2000-07-18
PRIOR FILING DATE: 1996-11-13
PRIOR FILING DATE: 1996-11-13
PRIOR FILING DATE: 1996-05-18
PRIOR FILING DATE: 1996-05-18
PRIOR FILING DATE: 1997-04-18
NUMBER OF SEQ ID NOS: 24
SOUTHARE: PRELEGE FREEE OF WINDOWS VETSION 4.0
SOUTHARE: PRELEGE FOR WINDOWS VETSION 4.0
SEQ ID NO 7
LENGTH: 18
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COMP. 94608
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch, 800 KD storage
COMPUTER: Apple Macintosh
OPERATING SYSTEM: Macintosh
OPERATING SYSTEM: Macintosh
OPERATING SYSTEM: Macintosh
                                       Query Match

0.3%; Score 14.8; DB 1;
Best Local Similarity 88.9%; Pred. No. 1.2e+02;
Matches 16; Conservative 0; Mismatches 2;
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Pred. No. 1.2e+02;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SULTANAL.
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/696,793A
FILING DATE: 19910507
                                                                                                                                                                                                                                                                               Sequence 7, Application US/09618919A
Patent No. 6617312
                                                                                                                               15 GCAGGAATTCGGCACGAG 32
                                                                                                                                                                         1 ścacskacrceckiene 18
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ORGANISM: Artificial Sequence FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity 88.9%;
Matches 16; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ) OTHER INFORMATION: primer US-09-618-919A-7
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US-09-618-919A-3
                                                                                                                                                                                                                                          RESULT 167
US-09-618-919A-7
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Gapa
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US-07-694-47/C

Sequence 47, Application US/07977694

Patent No. 5273883

GENERAL INFORMATION:
APPLICANT: Saiki, Randall K.
APPLICANT: Saiki, Randall K.
TITLE OF INVENTION: Typing
ITILE OF INVENTION: Typing
NUMBER OF SEQUENCES: 58

CORRESPONDENCE ADDRESS:
CORRESPONDENCE ADDRESS:
STREET: 310 Kingsland Street

STREET: 310 Kingsland Street
0.3%; Score 14.8; DB 1; Length 19;
88.9%; Pred. No. 1.2e+02;
tive 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CITY: Nutley
STATE: New Jersey
STATE: New Jersey
COUNTRY: U.S.A.
ZIP: 07110-1159
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch, 800 Kb storage
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER: Apple Macintosh
OPERATING SYSTEM: Macintosh 6.0.5
SOFTWARE: WordPerfect
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/977,694
FILING DATE: 19921117
CLASSIFICATION 135
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
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STREET: One Liberty Place - 46th Floor CITY: Philadelphia
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TELEX: 133521
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match 0.3
Best Local Similarity 88.9
Matches 16; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: nucleic acid
STRANDEDNESS: sing
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TOPCOLO TYPE: CD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-08-432-158-23/c
                                                                                                                                                                                                                                                             07601
                                                                                                                                                                                                                                   COUNTRY:
ZIP: 076
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-08-299-187-11
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          STATE:
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                                                     Gaps
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APPLICANT: Banker, Michael J.
APPLICANT: Banker, Malph B.
APPLICANT: Davidson, Ralph B.
APPLICANT: Pereira, Dennis A.
TITLE OF INVENTION: Process for Detecting Specific mRNA and TITLE OF INVENTION: DNA in Cells
NUMBER OF SEQUENCES: 13
CORRESPONDENCE ADDRESS:
ADDRESSE: Patent Department, Pfizer Inc
STRET: Bastern Point Road
CITY: Groton
STATE: Connecticut
Score 14.8; DB 1; Length 19;
Pred. No. 1.2e+02;
0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0.3%; Score 14.8; DB 1; Length 19; 88.9%; Pred. No. 1.2e+02; tive 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/403,555
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FILING DATE:
CLASSIPICATION: 435
PRICA APPLICATION DATA:
APPLICATION NUMBER: US/08/052,805
FILING DATE:
APPLICATION NUMBER: US/07/764,462
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Benson, Gregg C.
REGISTRATION NUMBER: 30,997
REFERENCE/DOCKET NUMBER: 30,997
REFERENCE/DOCKET NUMBER: 108036GCB
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION INFORMATION FOR SEQ ID NO: 13:
TENERAL 420440 ITT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                   US-08-403-555-13/c
; Sequence 13, Application US/08403555
Patent No. 5643730
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US-08-299-187-11; Sequence 11, Application US/08299187; Patent No. 5736325; GENERAL INFORMATION:
                                                                                                2820 ACGAAATGGTTCTTCC 2837
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        2820 ACGAAATGGTTCTTCC 2837
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    0.3%;
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                                                                                                                                            19 AGGATATGGTTCTCTTCC
  Query Match 0.3
Best Local Similarity 88.9
Matches 16, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match 0.3
Best Local Similarity 88.9
Matches 16; Conservative
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TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COUNTRY: U.S.A.
ZIP: 06340
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Connecticut: U.S.A.
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APPLICANT: Park, David
APPLICANT: Ricketts, Michael H.
APPLICONT: Ricketts, Michael H.
TITLE OF INVENTION: MARKER FOR INDIVIDUALS SUSCEPTIBLE TO
TITLE OF INVENTION: ALCCHOLISM
NUMBER OF SEQUENCES: 13
CORRESPONDENCE ADDRESS:
ADDRESSEE: 411 Hackensack Avenue
STREET: 411 Hackensack Avenue
STREET: New Jersey
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 14.8; DB 1; Length 19;
Pred. No. 1.2e+02;
0; Mismatches 2; Indels
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Patent No. 5861502
GENERAL INFORMATION:
APPLICANT: Prockop, Darwin J
APPLICANT: Colige, Alain
APPLICANT: Baserga, Renato
APPLICANT: Nugent, Paul
TITLE OF INVENTION: Antisense Oligonucleotides to
TITLE OF INVENTION: Inhibit Expression of Mutated and
TITLE OF INVENTION: Mild Type Genes for Collagen
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                       CAMPUTER FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
COMPUTER: IBM PC Compatible
COMPUTER: IBM PC Compatible
COMPATER: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/29,187
FILING DATE: 31-ANG-1994
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Jackson Esq., David A.
REGISTRATION NUMBER: 26,742
REGISTRATION NUMBER: 26,742
REGISTRATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION 1875-5800
TELERAX: 201343-1684
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Gapa

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Sequence 11, Application US/08910443

Patent No. 5935790

GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: PARTHOD FOR DETECTING A PREDISPOSITION TO
TITLE OF INVENTION: METHOD FOR DETECTING A PREDISPOSITION TO
TITLE OF INVENTION: SUSCEPTIBILITY TO TOXIC EFFECTS OF DRUGS AND POISONS
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: Klauber & Jackson
STREET: 11 Hackensack Avenue, 4th Floor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0.3%; Score 14.8; DB 1; Length 19; 88.9%; Pred. No. 1.2e+02;
                                                                                                                                                                                                                                                                                                                                                                                      Length 19;
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COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
COMPUTER: Patentin Release #1.0, Version #1.30
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/910,443
FILING DATE: 05-AUG-1997
ATTORNEY/ACTION: 435
ATTORNEY/ACTION: 435
                                                                                                                                                                                                                                                                                                                                                                               Query Match

0.3%; Score 14.8; DB 1;
Best Local Similarity 88.9%; Pred. No. 1.2e+02;
Matches 16; Conservative 0; Mismatches 2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0; Mismatches
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NAME: Jackson Esq., David A.
REGISTRATION NUMBER: 26,742
REFERENCE/DOCKET NUMBER: 601-1-056 R
TELECOMMUNICATION INFORMATION:
TELEPHONE: 201-487-5800
TELEFAX: 201-343-1684
                                                                   LENGTH: 19 base pairs
TYPE: nuclet acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: other nucleic acid
DESCRIPTION: /desc = "PRIMER"
HYPOTHETICAL: NO
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MOLECULE TYPE: other nucleic acid
necrription: /desc = "PRIMER"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     578 AGCTTGCTGGCATTGCTC 595
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TELEX: 133521
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 19 base pairs
          INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ZIP: 07601
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
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STATE: New Jersey
COUNTRY: USA
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Best Local Similarity
Matches 16; Conserv
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APPLICANT: Manowitz, Paul
TITLE OF INVENTION: METHOD FOR DETECTING A PREDISPOSITION TO
TITLE OF INVENTION: WESTHOD FOR DETECTING A PREDISPOSITION TO
TITLE OF INVENTION: SUSCEPTIBILITY TO TOXIC EFFECTS OF DRUGS AND POISONS
TOTRESPONDENCE ADDRESS: 14
CORRESPONDENCE ADDRESS: ADDRESS: ADDRESSEE: Klauber & Jackson
STREET: 411 Hackensack Avenue, 4th Floor
CITY: New Jersey
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
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CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/910,443
FILING DATE: 05-AUG-1997
CLASSIFICATION: 435
ATTONREY/AGENT INFORMATION:
NAME: Jackson Esq., David A.
REGISTRATION NUMBER: 26,742
REGISTRATION NUMBER: 26,742
REGISCOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION:
MEDIUM TYPE: Floppy with Computer: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: WordPerfect 6.0 CURRENT APPLICATION DATA: APPLICATION DATA: APPLICATION DATA: APPLICATION DATA: APPLICATION NUMBER: WO'0995 FILING DATE: 09-NOV-1995 FILING DATE: 09-NOV-1993 PRIOR APPLICATION NUMBER: WO'7/973,332 PRIOR APPLICATION NUMBER: WO'7/973,332 PRILING DATE: 09-NOV-1992 ATTORNEY/AGENT INPORMATION: NAME: Deluca, Mark REGISTRATION NUMBER: 33,229 REFERENCE/DOCKET NUMBER: TUI-1104 TELECOMMUNICATION INPORMATION: TELEPHONE: (215) 568-3100 TELEFRAT: (215) FERBATES: TUT-1104 TELEFRAT: TUT-1104 TELEFRAT: (215) FERBATES: TUT-1104 TELEFRAT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-08-910-443-3; Sequence 3, Application US/08910443; Patent No. 5935/90; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1899 TCTTGCTCTCGTCAAAGA 1916
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      19 rcrrccrccrcacaca 2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TOPOLOGY:
ANTI-SENSE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-08-432-158-23
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Sequence 7, Application US/08011398B

FREERI NO. 5512A-73

GENERAL INFORMATION:

APPLICANT: Roger Brent

APPLICANT: Antonia S. Zervos

TITLE OF INVENTION: MAX-INTERACTING PROTEINS AND RELATED

TITLE OF INVENTION: MOLECULES AND METHODS

TITLE OF INVENTION: MOLECULES AND METHODS

NUMBER OF SEQUENCES: 20

CORRESPONDENCE ADRESS:
ADDRESSEB: Fish & Richardson

STREET: 225 Franklin Street

CITY: Boston

STATE: Massachusetts

COUNTRY: U.S.A.

ZIP: 02110-2804

MEDIUM TYPE: 3.5" Diskette, 1.44 Mb

COMPUTER: READABLE FORM:

MEDIUM TYPE: 3.5" Diskette, 1.44 Mb

COMPUTER: IBM PS/2 Model 502 or 55SX

OCHPUTER: MORDERFECT (Version 5.0)

SOFTWARE: WordPerfect (Version 5.1)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 14.8; DB 1; Length 19;
Pred. No. 1.2e+02;
0; Mismatches 2; Indels
                                                                                                             COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: Patentin PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/11114
FILING DATE: 30-AUG-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NAME: Jackson Esq., David A.
REGISTRATION NUMBER: 26,742
REPREENCE/DOCKET NUMBER: 1158-1-001PCT
TELECOMUNICATION INFORMATION:
TELEPHONE: 201 487-5800
TELEPROME: 201 343-1684
                                                                                                                                                                                                                                                                                                                                                   FILING DATE: 30-AUG-1995
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/
FILING DATE: 21-UN-1995
CLASSIFICATION NUMBER: US 08/299,187
PRIOR APPLICATION NUMBER: US 08/299,187
FILING DATE: 31-AUG-1994
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      578 AGCTTGCTGGCATTGCTC 595
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TELEX: 133521
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match 0.3
Best Local Similarity 88.9
Matches 16; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           LENGTH: 19 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: nucleic acid
STRANDEDNESS: sing
                        New Jersey
Hackensack
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                                                            USA
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ORGANISM: HOR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PCT-US95-11114-11
                     STATE: Ne
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PCT-US95-11114-11

### Sequence 11, Application PC/TUS9511114

### Sequence 11, Application PC/TUS9511114

### Sequence 11, Application PC/TUS9511114

### APPLICANT: Manowitz, Paul

### APPLICANT: Park, David

### A
                                                                   Sequence 4, Application US/08876874

Sequence 4, Application US/08876874

Patent No. 5942405

GENERAL INFORMATION:

APPLICANT: Robert

APPLICANT: Bergsma, Derk

APPLICANT: Foley, James

APPLICANT: Runar, Chandrika

APPLICANT: Sarau, Henry

TITLE OF INVENTION: THERAPEUTIC AND SCREENING

TITLE OF INVENTION: METHODS USING C3A RECEPTOR AND C3A

NUMBER OF SEQUENCES: 5

CORRESPONDENCE ADDRESS:

ADDRESSE: RATNER & PRESTIA

STREET: P.O. BOX 980
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match 0.3%; Score 14.8; DB 1; Length 19; Best Local Similarity 88.9%; Pred. No. 1.2e+02; Matches 16; Conservative 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ZIP: 19482
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTE: IBM Compatible
OPERATING SYSTEM:
SOFTWARE: FastSE for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/876,874
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PRIOR APPLICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/019,627
FILING DATE: 16-JUN-1997
ATTORNEY/AGENT INFORMATION:
NAME: PRESTIA, PAUL F
REGISTRATION NUMBER: 23,031
REFERENCE/DOCKET NUMBER: P50501
TELEPHONE: 610-407-0700
TELEFAX: 610-407-0701
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          P50501
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411 Hackensack Avenue
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GAAGTGGTACCATGGCGT 18
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INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  LENGTH: 19 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TOPOLOGY: linear MOLECULE TYPE: CDNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COUNTRY:
                                             US-08-876-874-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-08-876-874-4
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      셤
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                                                                                                                               0.3%; Score 14.4; DB 1; Length 16; 93.8%; Pred. No. 1.2e+02; tive 0; Mismatches 1; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 7, Application US/08464051
Patent No. 5780262
GENERAL INFORMATION:
APPLICANT: ROGGE Brent
APPLICANT: Antonis S. Zervos
TITLE OF INVENTION: MAX-INTERACTING PROTEINS AND RELATED
TITLE OF INVENTION: MAX-INTERACTING PROTEINS AND METHODS
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson
STREET: 225 Franklin Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Indels
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93.8%; Pred. No. 1.2e+02;
tive 0; Mismatches 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
COMPUTER: 18W PS/2 Model 50Z or 55SX
OPERATING SYSTEM: MS-DOS (Version 5.0)
SOFTWARE: Wordberfect (Version 5.0)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/464,051
FILING DATE: 05 JUN 1995
CLASSIFICIATION 435
PRIOR APPLICATION A35
PRIOR APPLICATION MABER: 08/011,398
FILING DATE: 29 JAN 1993
ATTORNEY/AGENT INFORMATION:
NAME: Paul T. Clark
REGISTRATION NUMBER: 30,162
RESPERENCE/DOCKET NUMBER: 30,162
RESPERENCE/DOCKET NUMBER: 30,162
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELEFRAN: 6617) 542-5070
TELEFRAN: 20016
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-08-461-859-7; Sequence 7, Application US/08461859; Patent No. 5786169
                                                                                                                                                                                                                                       20 AATTCGGCACGAGGGG 35
                                                                                                                                                                                                                                                                          1 AATTCGGCACGAGGCG 16
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity 93.8'
                                                                                                                                                                                   15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            STATE: Massachusetts
COUNTRY: U.S.A.
ZIP: 02110-2804
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: nucleic acid
STRANDEDNESS: single
  ; TYPE: nucleic acid; STRANDEDNESS: doub; TOPOLOGY: linear US-08-370-225-7
                                                                                                                               Query Match
Best Local Similarity
Matches 15; Conserva
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                               US-08-464-051-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-08-464-051-7
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Fatent No. 5580736
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Brent, Jeno
TITLE OF INVENTION: Interaction Trap System for Isolating
TITLE OF INVENTION: No. 5580736el Proteins
CORRESPONDENCE ADDRESS: 33
GORRESPONDENCE ADDRESS: 71586
ADDRESSEE: Fish & Richardson
STREET: 225 Franklin Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 16;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match 0.3%; Score 14.4; DB 1; Best Local Similarity 93.8%; Pred. No. 1.2e+02; Matches 15; Conservative 0; Mismatches 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CITY:
BOSTON
STATE: Massachusetts
COUNTRY: U.S.A.
ZIP: 02110-2804
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
COMPUTER: IBM PS/2 Model 502 or 553X
OPERATING SYSTEM: MS-DOS (Version 5.0)
SOFTWARE: MORDER: CONTROL OF STATEMENT APPLICATION NUMBER: US/08/370,225
             APPLICATION NUMBER: US/08/011,398B
FILING DATE: 29 JAN 1993
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION DATA:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: PAUL T. Clark
REGISTRATION NUMBER: 30,162
REFERENCE/DOCKET NUMBER: 00786/160001
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FILING DATE:
CLASSIFICATION: 435
PION APPLICATION DATA:
APPLICATION NUMBER: 07/969,038
FILING DATE: 10/30/92
ATTONEY/AGENT INFORMATION:
NAME: Clark Paul T.
REGISTRATION NUMBER: 30,162
REFERENCE/DOCKET NUMBER: 00786/143001
TELECHOMUNICATION INFORMATION:
TELECHOMUS: (617) 542-5070
                                                                                                                                                                                                                                                                                                              TELEPHONE: (617) 542-5070
TELEFAX: (617) 542-8906
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 AATTCGGCACGAGGCG 16
                                                                                                                                                                                                                                                                                                                                   TELEFAX: (617) 542-8900
TELEX: 200154
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
CURRENT APPLICATION DATA: APPLICATION NUMBER: US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TELEX: 200154
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ; TOPOLOGY: linear
US-08-011-398B-7
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US-08-370-225-7
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C STREET: 1100 New York Ave, N.W., Suite 600 CITY: Washington STATE: D.C. COUNTRY: U.S.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COMPUTER: U.S.A.

ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/879,260
FILING DATE: 19JUN1997
CLASSIFICATION DATA:
APPLICATION NUMBER: 60/020,204
FILING DATE: 20JUN1996
ATTONEY/AGENT INPOMMATION:
NAME: LIDGALE 104019, Steven R.
REGISTRATION NUMBER: 36,203
REGISTRATION NUMBER: 36,203
REGISTRATION NUMBER: 36,203
REGISTRATION INFORMATION:
TELEPHONE: 202-371-2600
TANDOMMATICATION INFORMATION:
TELEFERK: 202-371-2600
TANDOMMATICATION DATA:
TELEFERK: 202-371-2600
                                                                         APPLICALL...
PILLING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/011,398
FILLING DATE: 29 JAN 1993
ATTORNEY AGENT INFORMATION:
NAME: Paul T. Clark
REGISTRATION NUMBER: 00786/160001
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 10, Application US/08879260
; Patent No. 5935851
; GENERAL INFORMATION:
; APPLICANT: Murthy, Anita E.
; TITLE OF INVENTION: TPR-Containing Genes
; CORRESPONDERS: 11
; CORRESPONDERS: 1
; CORRESPONDERS: STERNE, KESSLER, GOLDSTEIN & F
; STREET: 1100 New York Ave, N.W., Suite 6
OPERATING SYSTEM: MS-DOS (Version 5.0)
SOFTWARE: WOrdPerfect (Version 5.1)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/462,498
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     20 AATTCGGCACGAGGGG 35
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 AATTCGGCACGAGGCG 16
                                                                                                                                                                                                                                                                                                                                                                              TELEFAX: (617) 542-8906
TELEX: 200154
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TELEFAX: 202-371-2540
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        LENGTH: 16 base pairs
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ; TOPOLOGY: linear
US-08-462-498-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-08-879-260-10
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APPLICANT: Brent, Roger
APPLICANT: Gyuris, Jeno
APPLICANT: Gyuris, Jeno
APPLICANT: Golemis, Erica
TITLE OF INVENTION: Interaction Trap System for Isolating
TITLE OF INVENTION: No. 5786169el Proteins
NUMBER OF EXQUENCES:
ADDRESSEE: Fish & Richardson P.C.
STREET: 225 Franklin Street
CITY: Boston
STATE: Massachusetts
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 7, Application US/08462498
| Patent No. 5652169
| GENERAL INFORMATION:
| APPLICANT: ROGER Brent
| APPLICANT: RAGER Brent
| TITLE OF INVENTION: MAX-INTERACTING PROTEINS AND RELATED
| TITLE OF INVENTION: MOLECULES AND METHODS
| TORREPOUNDENCE S: 20
| NUMBER OF SEQUENCES: 20
| NUMBER OF SEQUENCES: 20
| ADDRESSEE: Alsh & Richardson
| STREET: 225 Franklin Street
                                                                                                                                                                                                                                                                           COUNTRY: U.S.A.

ZITE: 02110-2804

ZITE: 02110-2804

COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
COMPUTER: IBM PS/2 Model 50Z or 55SX
OPERATING SYSTEM: MS-DOS (Version 5.0)
SOFTWARE: WordPerfect (Version 5.1)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/461,859
FILING DATE: June 5, 1995
CLASSIFICATION DATA:
APPLICATION NUMBER: 08/370,225
FILING DATE: January 9, 1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/969,038
FILING DATE: October 30, 1992
ATTORNEY/AGENT INFORMATION:
NAWE: Lech, Karen F.
REGISTRATION NUMBER: 35,238
REGISTRATION NUMBER: 35,238
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  REFERENCE/DOCKET NUMBER: 00786/143002
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 542-5070
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       STATE: Massachusetts
COUNTRY: U.S.A.
ZIP: 02110-2804
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
COMPUTER: IBM PS/2 Model 50Z or 55SX
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               20 AATTCGGCACGAGGGG 35
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TELEPHONE: (617) 542-8906
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TELEX: 200154
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Best Local Similarity 93.8
Matches 15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SS: single
linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CITY: Boston
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 181
US-08-462-498-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-08-461-859-7
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APPLICANT: Escobedo, Jaime
TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re]
TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re]
TITLE OF INVENTION: Method and Reagent for the Treatment Receptor
FILE REFERENCE: MBHB00,876-J (227/198)
CURRENT FILING DATE: 1999-08-10
PRIOR PILING DATE: 1999-08-10
PRIOR PILING DATE: 1999-01-26
PRIOR PILING DATE: 1995-10-26
PRIOR PILING DATE: 1995-10-26
NUMBER OF SEQ ID NOS: 14225
SOFTWARE: Patentin version 3.0
SEQ ID NO 7023
LENGTH: 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0.3%; Score 14.4; DB 1; Length 16; 68.8%; Pred. No. 1.2e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 7, Application PC/TUS9310069
GENERAL INFORMATION:
APPLICANT: Brent, Roger
APPLICANT: Gyuris, Jeno
APPLICANT: Golemis, Erica
TITLE OF INVENTION: Interaction Trap System for Isolating
TITLE OF INVENTION: Novel Proteins
NUMBER OF SEQUENCES: 33
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson
STREET: 225 Franklin Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COUNTRY: U.S.A.

ZIP: 02110-2804

COMPUTER READALE FORM:

MEDIUM TYPE: 3.5" Diskette, 1.44 Mb

COMPUTER: IBM PS/2 Model 50Z or 55SX

OPERATING SYSTEM: MS-DOS (Version 5.0)

SOFTWARE: Wordberfect (Version 5.1)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: PCT/US93/10069

FILING DATE: 20-OCT-1993

CLASSIFICATION

RPLICATION DATA:

APPLICATION NUMBER: 07/969,038

FILING DATE: 10/30/92

ATTORNEY/AGENT INFORMATION:

NAME: Clark, Paul T.

REGISTRATION NUMBER: 30,162

REPERENCE/DOCKET NUMBER: 30,162

REPERENCE/DOCKET NUMBER: 30,162

RELECOMMUNICATION INFORMATION:

TELECOMMUNICATION INFORMATION:

TELECOMMUNICATION INFORMATION:

TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  4; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1401 AAATAAATTGAAGAT 1416
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1 AAAUAAAAUUGAAGUU 16
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                                                                                  Stinchcomb, Dan
Escobedo, Jaime
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               11; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TELEX: 200154
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CITY: Boston
STATE: Massachusetts
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: nucleic acid
STRANDEDNESS: double
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: RNA
CORGANISM: Homo sapiens
US-09-371-7728-7023
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RESULT 185
PCT-US93-10069-7
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                                                                                                                              Score 14.4; DB 1; Length 16;
Pred. No. 1.2e+02;
0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match 0.3%; Score 14.4; DB 1; Length 16; Best Local Similarity 93.8%; Pred. No. 1.2e+02; Matches 15; Conservative 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 7, Application US/08554385
Patent No. 6017692
GENERAL INFORMATION:
APPLICANT: Reger Brent
APPLICANT: Antonis S. Zervos
TITLE OF INVENTION: MAX-INTERACTING PROTEINS AND RELATED
TITLE OF INVENTION: MOLECULES AND METHODS
NUMBER OF SEQUENCES: 32
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson P.C.
STREET: 225 Franklin Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COUNTRY: U.S.A.

ZIP: 02110-2804

COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
COMPUTER: IBM PS/2 Model 502 or 555X
OPERATING SYSTEM: MS-DOS (Version 5.0)
SOFTWARE: WOOTGPETFECT (Version 5.0)
SOFTWARE: WOOTGPETFECT (Version 5.1)
CURRENT APPLICATION NUMBER: US/08/554,385
FILING DATE: No. 6017692ember 8, 1995
CLASSIFTCATION TAR:
APPLICATION NUMBER:
ATORNEY/AGENT INFORMATION:
NAME: Karen F. Lech
REGISTRATION NUMBER: 35,238
REFERENCE/DOCKET NUMBER: 00786/252001
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 7023, Application US/09371772B Patent No. 6566127 GENERAL INFORMATION:
                                                                                                                                 Query Match
Best Local Similarity 93.8%;
Matches 15; Conservative
                                                                                                                                                                                                                                          20 AATTCGGCACGAGGGG 35
                                                                                                                                                                                                                                                                                         1 AATTCGGCACGAGGCG 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TELERAX: (617) 542-8906
TELEX: 200154
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  20 AATTCGGCACGAGGG 35
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; STRANDEDNESS: single; TOPOLOGY: linear; MOLECULE TYPE: cDNA US-08-879-260-10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   STATE: Massachusetts
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-09-371-772B-7023
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1 AAACUUCUUCUGCUCA 16
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STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           linear
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US-08-373-124A-1635
                                                                                                                                                                                                                                                                                                                                                                                                                               STREET:
CITY: L
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT 188
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                                                                    0.3%; Score 14.4; DB 1; Length 16; 93.8%; Pred. No. 1.2e+02;
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                                                                                                                 1; Indels
                                                                                                                                                                                                                                                                                                       Sequence 596, Application US/08373124A
; Sequence 596, Application US/08373124A
; Patent No. 5646042
; GENERAL INFORMATION:
    APPLICANT: Stinchcomb, Dan T.
    APPLICANT: Draper, Kenneth
    APPLICANT: Draper, Kenneth
    APPLICANT: Draper, Menseth
    APPLICANT: Jarvis, Thale
    TITLE OF INVENTION: TREATMENT OF RESTENOSIS AND
    TITLE OF INVENTION: TREATMENT OF RESTENOSIS AND
    TITLE OF INVENTION: CANCER USING RIBOZYMES
    NUMBER OF SEQUENCES: 2627
    CORRESPONDENCE ADDRESS:
    ADDRESSEE: Lyon & Lyon
    STREET: 633 West #1fth Street
    STREET: 631 West #1fth Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match

0.3%; Score 14.4; DB 1;
Best Local Similarity 56.2%; Pred. No. 1.2e+02;
Matches 9; Conservative 6; Mismatches 1;
                                                                                                                   0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COMPUTER READBLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb MEDIUM TYPE: storage
COMPUTER: 1EM Compatible
COMPUTER: 1EM Compatible
COMPUTER: 1EM Compatible
COMPUTER: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/373,124A
FILING DATE: January 13, 1995
APPLICATION NUMBER: 08/195,466
FILING DATE: May 18, 1994
APPLICATION NUMBER: 08/192,943
FILING DATE: Pebruary 7, 1994
APPLICATION NUMBER: 07/987,132
FILING DATE: December 7, 1992
APPLICATION NUMBER: 07/987,132
FILING DATE: AUGUST 8, 1992
APPLICATION NUMBER: 07/987,132
FILING DATE: AUGUST 8, 1992
APPLICATION NUMBER: 07/936,422
FILING DATE: AUGUST 8, 1992
APPLICATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 209/035
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          9
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TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 596:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                          1 AATTCGGCACGAGGCG 16
                                                                                                                                                              20 AATTCGGCACGAGGGG 35
                                                                                            Best_Local Similarity 93.8
Matches 15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                LENGTH: 17 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    linear
  ;
PCT-US93-10069-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-08-373-124A-596
                                                                                                                                                                                                                                                                          RESULT 186
US-08-373-124A-596
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  90071
                                                                      Query Match
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2704 AAACTTGTTCTGCTCA 2719

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Query Match 0.3%; Score 14.4; DB 1; Length 17; Best Local Similarity 56.2%; Pred. No. 1.2e+02; Matches 9; Conservative 6; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: WAN, JASON
TITLE OF INVENTION: NOVEL BACTERIOCIN PISCICOLIN 126
NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADDRESSEE: Nixon & Vanderhye, P.C. STREET: 1100 No. 6054163th Glebe Road, 8th Floor
                                                                                                                                                                                       COMPUTER READABLE FORM:

REDIUM TYPE: 3.5" Diskette, 1.44 Mb MEDIUM TYPE: 5.5" Diskette, 1.44 Mb MEDIUM TYPE: 5.0" Diskette, 1.60 S.0" DERAYING SYSTEM: 1EM P.C. DOS 5.0 SOFTWARE: MORD PETECT 5.1

CURRENT APPLICATION DATA: 408/435,628
FILING DATE: 05-MAY-1995
CLASSIFICATION NUMBER: 08/33,124
FILING DATE: January 13, 1995
APPLICATION NUMBER: 08/39,343
FILING DATE: MAY 18, 1994
APPLICATION NUMBER: 07/997,132
FILING DATE: December 7, 1994
APPLICATION NUMBER: 07/986,422
FILING DATE: August 26, 1992
APPLICATION NUMBER: 07/936,422
FILING DATE: August 26, 1992
APPLICATION NUMBER: 07/936,322
FILING DATE: AUGUST NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 32,327
TELECOMMUTICATION: INPORMATION:
TWEY DELAYAND.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         WETTENHALL, RICHARD E.H.
NUMBER OF SEQUENCES: 2627
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: Suite 4700
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 2, Application US/08894483
Patent No. 6054163
GENERAL INFORMATION:
APPLICANT: WETTENHALL, RICHARD E.H.
APPLICANT: HILLIER, ALAN J.
APPLICANT: HARNARK, KIM
APPLICANT: HARNARK, KIM
APPLICANT: HARNARK, KIM
APPLICANT: HOKEY, MALCOLM W.
APPLICANT: COVENTRY, JOHN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  2704 AAACTTGTTCTGCTCA 2719
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: (7-3510
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 AAACUUCUUCUGCUCA 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    LENGTH: 17 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        linear
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                       APPLICANT: MCSWiggen, James
APPLICANT: Jarvis, Thale
APPLICANT: Jarvis, Thale
APPLICANT: Jarvis, Thale
APPLICANT: Jarvis, Thale
APPLICANT: APPLICANTION: TREATMENT OF RESTENOSIS AND
TITLE OF INVENTION: CANCER USING RIBOZYMES
CORRESPONDENCE: 2627
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         METHODS AND COMPOSITIONS FOR
TREATMENT OF RESTENOSIS AND
CANCER USING RIBOZYMES
                                                                                                                                                                                                                                                                                                                                             COMPUTER READABLE FORM:

COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5" Diskette, 1.44 Mb

MEDIUM TYPE: 810x296

COMPUTER: 1BM Compatible

OPERATING SYSTEM: 1BM P.C. DOS 5.0

SOFTWARE: Word Perfect 5.1

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/435,628

FLIJNG DATE: 05-MA-1995

CLASSIFICATION: 1514

PRIOR APPLICATION DATA:

APPLICATION UNMBER: 08/373,124
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                FILING DATE: January 13, 1995
APPLICATION NUMBER: 08/245,466
FILING DATE: May 18, 1994
APPLICATION NUMBER: 08/192,943
FILING DATE: PEDRUARY 7, 1994
APPLICATION NUMBER: 07/987,132
FILING DATE: DECEMBER: 07/987,132
FILING DATE: DECEMBER: 07/986,422
APPLICATION NUMBER: 07/936,422
FILING DATE: AUGUER 26, 1992
ATTORNEY/ACENT INFORMATION:
NAME: WALDURG, RICHARD
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 32,327
REDECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 1635, Application US/08435628 Patent No. 5817796
                                                                                                                                                                                               ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: Suite 4700
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          GENERAL INFORMATION:
APPLICANT: Stinchcomb, Dan T.
APPLICANT: Draper, Kenneth
APPLICANT: McSwiggen, James
APPLICANT: Jarvis, Thale
TITLE OF INVENTION: METHODS AND
TITLE OF INVENTION: CANCER USING
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 596:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   2704 AAACTTGTTCTGCTCA 2719
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (213) 489-1600
  Draper, Kenneth
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TELEPHONE: (213) 305-0440
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       LENGTH: 17 base pairs
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      linear
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US-08-435-628-1635
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Sequence 631, Application US/09866108A
Patent No. 6686188
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                                                                                                                                                                                                                                                                                                       TYPE: DNA
CRGANISM: Homo sapiens
US-09-866-108A-630
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-09-866-108A-631
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-09-866-108A-630

US-09-866-108A-630

Sequence 630, Application US/09866108A

Batent No. 6666188

GENERAL INFORMATION:
APPLICANT: GU, Yizhong
APPLICANT: APLICANT: AN DAYLA R.
APPLICANT: APLICANT: ABANZEL, DAYLA R.
APPLICANT: ARNES, DAYLA R.
APPLICANT: SHANNON, MARK
ITLE OF INVENTION: WOOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
FILE REFERENCE: ABOMICA-7
CURRENT APPLICATION NUMBER: US/09/866,108A

CURRENT PILING DATE: 2000-05-26
FRIOR FILING DATE: 2000-05-26
FRIOR PELING DATE: 2000-06-26
FRIOR PAPLICATION NUMBER: US 60/236,359
FRIOR APPLICATION NUMBER: US 60/236,359
FRIOR PLING DATE: 2000-01-30
FRIOR PLING DATE: 2001-01-30
FRIOR FLING DATE: 2001-01-30
FRIOR FLING DATE: 2001-01-30
FRIOR PLING DATE: 2001-01-30
FRIOR FLING DATE: 2001-01-30
FRIOR FLING DATE: 2001-01-30
FRIOR FLING DATE: 2001-01-30
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                                                                                     MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/894,483
FILING DATE: 22-FEB-1996
CLASSIFICATION: 426
PRIOR APPLICATION NUMBER: AU PN1310
FILING DATE: 22-FEB-1995
ATTORNEY/AGENT INFORMATION:
NAME: Mitchard, Leonard C.
REGISTRATION NUMBER: 29,009
REFERENCE/DOCKET NUMBER: 47-100
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TOPOLOGY: linear
MOLECULE TYPE: other nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         desc = "Primer'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TELEX: N/A INFORMATION FOR SEQ ID NO: 2:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TELEPHONE: (703) 816-4005
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (703) 816-4100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity 93.8'
Matches 15; Conservative
                                                                    COMPUTER READABLE FORM: MEDIUM TYPE: Floppy
Virginia
: U.S.A.
                                          22201-4714
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TELEFAX:
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PREERIE NO. 608-6188

APPLICANT: NO. 608-6188

APPLICANT: O'L Yikhong

APPLICANT: JI Yongsang

APPLICANT: JI Yongsang

APPLICANT: JI Yongsang

APPLICANT: BANK, David K.

APPLICANT: RANK, David K.

APPLICANT: SHANNON, MARK

TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE PILE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE ABOUT OF 2001-05-26

PRIOR PLILING DATE: 2001-05-26

PRIOR PLILING DATE: 2001-05-26

PRIOR PLILING DATE: 2001-01-30

PRIOR PLILING
PRIOR APPLICATION NUMBER: PCT/USO1/UDD05
PRIOR FILING DATE: 2001-01-30
PRIOR PLING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PROPURABE OF SEQ ID NOS: 15755
SOFTWARE Aeomica Sequence Listing Engine
Patent No. 6686188
SEQ ID NO 630
***CONTAINS OF CONTAINS OF CONTAI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match 0.3%; Score 14.4; DB 1; Length 17; Best Local Similarity 93.8%; Pred. No. 1.2e+02; Matches 15; Conservative 0; Mismatches 1; Indels
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2393 GCTGGCAAAGCTCCTC 2408
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ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                       US-09-866-108A-6352
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                       Gaps
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0.3%; Score 14.4; DB 1; Length 17; llarity 93.8%; Pred. No. 1.2e+02; Conservative 0; Mismatches 1; Indels
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                                                                                                    3-09-866-108A-6351/c
Sequence 6351, Application US/09866108A
Patent No. 6686188
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-09-866-108A-6352/c
; Sequence 6352, Application US/09866108A
; Patent No. 6686188
                                          1169 GTTTTGTTGATGGTGG 1184
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           2393 GCTGGCAAAGCTCCTC 2408
                                                              1 Grerrerrearecres 16
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: GU, Yizhong
APPLICANT: JI, Yonggang
APPLICANT: PENN, Sharron G.
APPLICANT: HANZEL, David K.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity 93.8
Matches 15; Conservative
        Local Similarity
hes 15; Conserv
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   Query Match
              Best Loca
Matches
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APPLICANT: ALCOLOUS.

APPLICANT: ACSWiggen, Jim
APPLICANT: McSwiggen, Jim
APPLICANT: Stinchcomb, Dan
APPLICANT: Stinchcomb, Dan
APPLICANT: Stinchcomb, Dan
APPLICANT: Stinchcomb, Dan
APPLICANT: Escobedo, Jaime
TITLE OF INVENTION: Method and Reagent for Treatment of Diseases or Conditions Related
TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Recptor
TITLE OF INVENTION: McMBER: US/09/685,664B
CURRENT FILING DATE: 2000-10-10
CURRENT FILING DATE: 1090-10-26
PRIOR PILING DATE: 1995-00-10
PRIOR PLING DATE: 1995-01-08
PRIOR APPLICATION NUMBER: US 09/371,772
PRIOR APPLICATION NUMBER: US 09/371,772
PRIOR APPLICATION NUMBER: US 09/371,772
PRIOR PLING DATE: 1999-08-10
SOFTWARE: PatentIn version 3.0
SOFTWARE: PatentIn version 3.0
SEQ ID NO 1072
LENGTH: 17
APPLICANT: CHEN, Wenshen
APPLICANT: CHEN, Wenshen
TITLE OF INVENTION: MACK
TITLE OF INVENTION: MACK
TITLE OF INVENTION: MACK
TITLE OF INVENTION: WASH
CURRENT APPLICATION NUMBER: US/09/866,108A
CURRENT APPLICATION NUMBER: US 60/207,456
PRIOR PLING DATE: 2000-05-26
PRIOR PLING DATE: 2000-00-6-26
PRIOR FILING DATE: 2000-00-27
PRIOR FILING DATE: 2000-00-27
PRIOR PLING DATE: 2000-00-27
PRIOR PLING DATE: 2000-00-27
PRIOR PLING DATE: 2000-00-27
PRIOR PLING DATE: 2001-01-30
PRIOR PLI
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match 0.3%; Score 14.4; DB 1;
Best Local Similarity 93.8%; Pred. No. 1.2e+02;
Matches 15; Conservative 0; Mismatches 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Ribozyme Pharmaceuticals, Inc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       :-09-685-664B-1072/c
Sequence 1072, Application US/09685664B
Patent No. 6818447
GENERAL INFORMATION:
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Page 68

gibbs-10-667-022-4.rni

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WS-09-205-144-32

| Sequence 32, Application US/09205144
| Patent No. 5958771
| Sequence 32, Application US/09205144
| Patent No. 5958771
| APPLICANT: Elizabeth J. Ackermann
| APPLICANT: Elizabeth J. Ackermann
| APPLICANT: Lex M. Cowsert
| TITLE OF INVENTION: ANTISENSE MODULATION OF CELLULAR INHIBITOR OF APOPTOSIS-2 EXPRESS]
| FILE REPRESENCE: RTS-0021
| CURRENT APPLICATION NUMBER: 1998-12-03
| CURRENT FILING DATE: 1998-12-03
| NUMBER OF SEQ ID NOS: 47
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 18;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 28, Application US/09161244
; Patent No. 6004814
; GENERAL INFORMATION:
APPLICANT: Bennett, C. Frank
APPLICANT: Cowsert, Lex M.
ITLE OF INVENTION: ANTISENSE MODULATION OF CD71 EXPRESSION
FILE REFERENCE: RTS-0007
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Indels
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93.8%; Pred. No. 1.3e+02;
ive 0; Mismatches 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CTHER INFORMATION: Antisense Oligonucleotide US-09-205-144-32
SOFTMATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: FastSED VERSION 1.5
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/585,684B
FILING DAME: January 16, 1996
PRIOR APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
APPLICATION NUMBER: 60/000,951
FILING DATE: JULY 7, 1995
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard
REGISTRATION NUMBER: 218/078
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CURRENT APPLICATION NUMBER: US/09/161,244
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        4554 TGACATCATCACTGAT 4569
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        841 GAAAAAGCATCTGAGA 856
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity 93.8%;
Matches 15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: DNA
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       18 GAAACAGCATCTGAGA 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Best_Local Similarity 93.8
Matches 15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ; TOPOLOGY: linear
US-08-585-684B-2626
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-09-161-244-28
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LENGTH: 18
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US-09-685-664B-1078/C

Sequence 1078, Application US/0968564B

Patent No. 6818447

GENERAL INFORMATION:

APPLICANT: Rabozyme Pharmaceuticals, Inc.

APPLICANT: Bacobedo, Jaime

APPLICANT: Stinchcomb, Dan

APPLICANT: Scobedo, Jaime

TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Recptor

TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Recptor

CURRENT APPLICATION NUMBER: US/09/685,664B

CURRENT PILING DATE: 1995-10-26

PRIOR APPLICATION NUMBER: US 06/005,974

PRIOR APPLICATION NUMBER: US 08/584,040

PRIOR APPLICATION NUMBER: US 09/371,772

PRIOR APPLICATION NUMBER: US 09/371,772

PRIOR PILING DATE: 1999-08-10

NUMBER OF SEQ ID NOS: 8231

SOFTWARE: PatentIn version 3.0

SEQ ID NO 1078

LENGTH. 177
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                                                                                                              0.3%; Score 14.4; DB 1; Length 17; 93.8%; Pred. No. 1.2e+02; tive 0; Mismatches 1; Indels
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APPLICANT: Stinchcomb, Daniel T.
APPLICANT: Jarvis, Thale
APPLICANT: McSwiggen, James
APPLICANT: McSwiggen, James
TITLE OF INVENTION: METHOD AND REAGENT FOR THE
TITLE OF INVENTION: INDUCTION OF GRAFT TOLERANCE
TITLE OF INVENTION: AND REVERSAL OF IMMUNE RESPONSES
NUMBER OF SEQUENCES: 2751
ADDRESSEE: Lyon & Lyon
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IEM Compatible
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-08-585-684B-2626/c
; Sequence 2626, Application US/08585684B
; Patent No. 5877021
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: Suite 4700
                                                                                                                                                                                                                                                 5051 AAAAAAAAAAAAACT 5066
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                5022 TGTAAAAAAAAAA 5037
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US-09-685-664B-1078
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CITY: Los Angeles
STATE: California
                                                                                                                                             Local Similarity
hes 15; Conserv
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                                                   US-09-685-664B-1072
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                                                                                                                     Query Match
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TYPE: DNA
ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
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    18 GAAACAGCATCTGAGA
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                                                                                                                                                                                                            Query Match 0.3%; Score 14.4; DB 1; Length 18; Best Local Similarity 93.8%; Pred. No. 1.3e+02; Matches 15; Conservative 0; Mismatches 1; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GENERAL INFORMATION:
APPLICANT: Stinchcomb, Daniel T.
APPLICANT: Stinchcomb, Daniel T.
APPLICANT: Jarvis, Thale
APPLICANT: Jarvis, Thale
TITLE OF INVENTION: METHOD AND REAGENT FOR THE
TITLE OF INVENTION: AND REVERSAL OF IMMUNE RESPONSES
NUMBER OF SEQUENCES: 2751
CORRESPONDENCE ADDRESS:
ADDRESSEE: LYON & LYON
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match

0.3%; Score 14.4; DB 1;
Best Local Similarity 93.8%; Pred. No. 1.3e+02;
Matches 15; Conservative 0; Mismatches 1;
                                                                                                                                              ; OTHER INFORMATION: Antisense Oligonucleotide US-09-161-244-28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: FASTSEQ Version 1.5
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 218/078
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 955-0440
TELEFAX: (213) 955-0440
TELEFAX: (213) 955-0440
TELEFAX: (7-3510
INFORMATION FOR SEQ ID NO: 2626:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICATION NUMBER: US/09/038,073
                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 2626, Application US/09038073 Patent No. 6194150
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       FILING DATE:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/585,684
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: Suite 4700
                                                                                                                                                                                                                                                                                               3758 GTGCTGTCCAGCTTCT 3773
CURRENT FILING DATE: 1998-09-25
NUMBER OF SEQ ID NOS: 91
SEQ ID NO 28
LENGTH: 18
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                                                                                     TYPE: DNA ORGANISM: Artificial Sequence
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STRANDEDNESS: single
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STATE: California
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US-09-038-073-2626
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                                                                                                                           FEATURE:
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USECULORS SERVINGE TO SERVINGE SERVINGE SEQUENCE 31, Application US/09588995A

Patent No. 6514697

GENERAL INFORMATION:
APPLICANT: PETERSEN, CAROLYN

APPLICANT: BARNES, DEBRA A.

APPLICANT: BALSON, RICHARD C.
APPLICANT: BALSON, RICHARD C.

APPLICANT: BALSON, RICHARD C.

APPLICANT: BALSON, RICHARD C.

APPLICANT: BALSON, RICHARD C.

TITLE OF INVENTION: ISOLATES AND FOR DIAGNOSIS OF CRYPTOSPORIDIUM

TITLE OF INVENTION: ISOLATES AND FOR DIAGNOSIS OF CRYPTOSPORIDIUM

TITLE OF INVENTION: INPECTIONS

TITLE OF INVENTION: INPECTIONS

TITLE OF INVENTION: UNMER: US/09/588,995A

CURRENT APPLICATION NUMBER: US/09/588,995A

CURRENT FILING DATE: 1997-03-27

PRIOR FILING DATE: 1997-09-12

PRIOR APPLICATION NUMBER: 08/700,651

PRIOR APPLICATION NUMBER: 08/700,651
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ) OTHER INFORMATION: Description of Artificial Sequence: Sense primer; OTHER INFORMATION: for cloning of 5'-adjacent region of MVK gene US-09-306-595C-30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ö
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0.3%; Score 14.4; DB 1; Length 18; 93.8%; Pred. No. 1.3e+02; tive 0; Mismatches 1; Indela
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Pred. No. 1.3e+02;
0; Mismatches 1;
                                                                                                APPLICANT: HOSHINO: Tateuo
APPLICANT: HOSHINO: Tateuo
APPLICANT: HOSHINO: Tateuo
APPLICANT: SETOGUCHI, Yutuaka
TITLE OF INVENTION: ISOPRENOID PRODUCTION
FILE REFERENCE: ISOPRENOID PRODUCTION
CURRENT APPLICATION NUMBER: US/09/306,595C
CURRENT PILING DATE: 1999-05-06
PRIOR PILING DATE: 1998-06-06
NUMBER OF SEQ ID NOS: 43
SOFTWARE: Patentin Ver: 2.1
SOFTWARE: Patentin Ver: 2.1
SENGTH: 18
US-09-306-595C-30
; Sequence 30, Application US/09306595C
; Patent No. 6284506
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Best Local Similarity 93.8
Matches 15; Conservative
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Gaps
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Sequence 22, Application US/08434099A

Patent No. 603902

GENERAL INFORMATION:
TITLE OF INVENTION: Recombinant Fibrin Chains,
TITLE OF INVENTION: Fibrin and Fibrin-Homologs
NUMBER OF EEQUENCES: 37

CORRESPONDENCE ADDRESS:
ADDRESSEE: E.R. Squibb & Sons, Inc.
STREET: 100 Headquarters Park Drive
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      MEDUTUR TERES Floppy disk
COMPUTER: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/NS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/671,978A
FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                         SSEE: CALFEE, HALTER & GRISWOLD
T: 800 SUPERIOR AVENUE, SUITE 1400
CLEVELAND
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: GOLRICK, MARY E
REGISTRATION NUMBER: 34,829
REFERENCE/DOCKET NUMBER: 22727/00133
TELECOMMUNICATION INFORMATION:
TELEPHONE: (216) 622-8200
TELEFAX: (216) 241-0816
INFORMATION FOR SEQ ID NO: 43:
SEQUENCE CHARACTERISTICS:
LENGTH: 19 base pairs
                                                                                                                        US-08-671-978A-43/C
; Sequence 43, Application US/08671978A
; Patent No. 5959039;
GENERAL INFORMATION:
APPLICANT: Saif, Linda J.
APPLICANT: Parwani, Anil
APPLICANT: Chang, Keong-OK
ITILE OF INVENTION: ROTAVIRUS GENES
NUMBER OF SEQUENCES: 50
2910 GGAAGAGGAAGACAAA 2925
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ADDRESSEE: CALFEE, H
STREET: 800 SUPERIOR
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COMPUTER READABLE FORM:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                  CITY: C
                                                                                                                   RESULT 205
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                                                                                                                             US-09-422-978-5652

$ Sequence 5652, Application US/09422978

$ Sequence 5652, Application US/09422978

$ Recent No. 6537751

$ GENERAL INFORMATION:

* APPLICANT: Cohen, Daniel

* APPLICANT: Chumakov, 11ya

* TITLE DG INVENTION: Bladlelic markers for use in constructing a high density...

FILE REPERBNCE: GENSET. 020CP1

* CURRENT APPLICATION NUMBER: US/09/422,978

* CURRENT FILING DATE: 1999-04-21

* EARLIER APPLICATION NUMBER: US 60/109,732

* BARLIER APPLICATION NUMBER: US 60/109,732

* BARLIER PILING DATE: 1998-11-23

* BARLIER FILING DATE: 1998-04-21

* NUMBER OF SEQ ID NOS: 11796

* SEQ ID NO 5652

* LENGTH: 18
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; OTHER INFORMATION: upstream amplification primer 99-5875 for SEQ 1718,
US-09-422-978-5652
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ö
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
0.3%; Score 14.4; DB 1; Length 18;
Best Local Similarity 93.8%; Pred. No. 1.3e+02;
Matches 15; Conservative 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gegreine 30, Application US/09925388
Fatent No. 6586202
GENERAL INFORMATION:
APPLICANT: HOSHINO, Tateuo
APPLICANT: OJIMA, Kazuyuki
APPLICANT: SETOGUCHI, Yutaka
TILLE OF INVENTION: ISOPRENOID PRODUCTION
FILE REPERBNCE: ISOPRENOID PRODUCTION
CURRENT APPLICATION NUMBER: US/09/925, 388
CURRENT FILING DATE: 1999-05-06
PRIOR PILING DATE: 1999-05-06
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          3449 CTAAGCAGATGATGGA 3464
                      2098 CCCAATAATGAAGAAA 2113
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ORGANISM: Artificial Sequence
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SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 30
LENGTH: 18
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NAME/KEY: primer_bind
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: DNA
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APPLICANT: GUSCHIN, DMITRY Y.
APPLICANT: GUSCHIN, DMITRY Y.
APPLICANT: SHIK, VALENTINE
APPLICANT: BROBYSHEW, ALEKSEI
APPLICANT: POTIN, ALEXANDER
APPLICANT: POTIN, ALEXANDER
APPLICANT: LYSOW, YU
TITLE OF INVENTION: WILTIPLE GENETIC INFORMATION TO SIMPLE PATTERNS, ARE
TITLE OF INVENTION: PORTABLE AND REUSABLE
TITLE OF INVENTION: 1999-03-03
SOFTWARE: PATENTIN OFF: 2.1
SENGIN O 53
LENGTH: 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Cohen, Daniel
APPLICANT: Cohen, Daniel
APPLICANT: Cohen, Daniel
APPLICANT: Chumenfeld, Marta
APPLICANT: Chumenfeld, Marta
APPLICANT: Chumenkov, Ilya
TITLE OF INVENDRATON: Biallelic markers for use in constructing a high density...
FILE REFERENCE: GENSET.020CP1
CURRENT APPLICATION NUMBER: US 09/298,850
EARLIER APPLICATION NUMBER: US 60/109,732
EARLIER APPLICATION NUMBER: US 60/109,732
EARLIER APPLICATION NUMBER: US 60/109,732
EARLIER PILING DATE: 1998-11-23
EARLIER PILING DATE: 1998-04-21
NUMBER OF SO ID NOS: 11796
SEQ ID NO 7136
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; OTHER INFORMATION: upstream amplification primer 99-24592 for SEQ 3202,
US-09-422-978-7136
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gарв
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US-09-261-115-53
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match 0.3%; Score 14.4; DB 1; Length 19; Best Local Similarity 93.8%; Pred. No. 1.4e+02; Matches 15; Conservative 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 7136, Application US/09422978
Patent No. 6537751
GENERAL INFORMATION:
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ORGANISM: Artificial Sequence
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TYPE: DNA
ORGANISM: Homo Sapiens
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Sequence 113, Application US/09345882

Sequence 113, Application US/09345882

Setting 113, Application US/09345882

SENERAL INFORMATION:

TITLE OF INVENTION: A NUCLEIC ACID ENCODING A RETINOBLASTOMA BINDING PROTEIN (RBP-7)

TITLE OF INVENTION: AND POLYMORPHIC MARKERS ASSOCIATED WITH SAID NUCLEIC ACID.

TITLE OF INVENTION: AND POLYMORPHIC MARKERS ASSOCIATED WITH SAID NUCLEIC ACID.

PILE REFERENCE: GENSET. 031A

CURRENT APPLICATION NUMBER: US 60/091,315

PRIOR APPLICATION NUMBER: US 60/111,909

PRIOR FILING DATE: 1999-12-10

NUMBER OF SEQ ID NOS: 140

SEQ ID NO 113

LENGTH: 19

LENGTH: 19
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LOCATION: 1..19
OTHER INFORMATION: microsequencing oligo for 5-136-174.mis1
COMPUTER READABLE FORM:
MEDIUM TYPE: Disketre
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/434,099A
FILING DATE: 03-MAY-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/236,979
FILING DATE: 02-MAY-1994
ATTORNEY/AGENT INPORMATION:
NAME: FURMAN, US. ESQ., Theodore R
REGISTRATION NUMBER: 30,942
REFERENCE/DOCKET NUMBER: 30,942
REFERENCE/DOCKET NUMBER: 30,942
REFERENCE/DOCKET NUMBER: 30,942
TELEPHONE: 908-281-2372
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             INFORMATION FOR SEQ ID NO: 22:
SEQUENCE CHARACTERISTICS:
LENGTH: 19 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: DNA
ORGANISM: Artificial Sequence
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Matches 15; Conservative
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Best Local Similarity 93.8
Matches 15; Conservative
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US-08-434-099A-22
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Query Match
Best Local Similarity
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                                                                                                                                                                                                                     SEQ ID NO 43
LENGTH: 19
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Patent No. 6770633
GENERAL INFORMATION:
APPLICANT: Robbins, Joan M.
APPLICANT: Tritz, Richard
TITLE OF INVENTION: RENOZYME THERAPY FOR THE TREATMENT OF PROLIFERATIVE
FILE REFERENCE: 480124.407
CURRENT APPLICATION NUMBER: US/09/696,791
CURRENT APPLICATION NUMBER: 4523
SOFTWARE: Patentin Ver. 2.0
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                                                                                                                                             GENERAL INFORMATION:
APPLICANT: Jones, Michael H.
APPLICANT: Jones, Michael H.
TITLE OF INVENTION: TRANSCRIPTIONAL REGULATORY FACTOR;
FILE REFERENCE: 065001-068001
CURRENT APPLICATION NUMBER: US/09/698,295
CURRENT PILING DATE: 2000-10-27
PRIOR APPLICATION NUMBER: PGT/JP99/02340
PRIOR FILING DATE: 1999-04-30
PRIOR FILING DATE: 1999-04-30
NUMBER OF SEQ ID NOS: 10
SOFTWARE: FASELSEQ FOR WINGOWS VERSION 4.0
SEQ ID NO 5
LENGTH: 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ; OTHER INFORMATION: Cdk1 ribozyme binding site US-09-696-791-33
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-00-232-338-43/c
US-00-232-338-43/c
; Sequence 43, Application US/09232338
; Patent No. 6805867
; GENERAL INFORMATION:
; APPLICANT: Saif, Linda
                                                                                    US-09-698-295-5; Sequence 5, Application US/09698295; Patent No. 6689584
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OTHER INFORMATION: primer for PCR US-09-698-295-5
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                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: DNA
ORGANISM: Artificial Sequence
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19 CCATTTATTACCCAAC
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ORGANISM: Homo sapiens
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LENGTH: 19
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 33, Application US/08294424
Patent No. 5800984
GENERAL INFORMATION:
APPLICANT: Vary, Calvin
TITLE OF INVENTION: TRIPLE HELIX FORMATION
NUMBER OF SEQUENCES: 49
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson
STREET: 225 Franklin Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ZIPE 12110-2804
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb storage COMPUTER: IBM PS/2 Model 50Z or 55SX OPERATING SYSTEM: IBM P.C. DOS (Version 3.30) SOFTWARE: WordPerfect (Version 5.0) CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/294,424
APPLICANT: Parwani, Anil
APPLICANT: Kim, Wonyong
APPLICANT: Chang, Keong-OK
APPLICANT: Gadfield, Kathy
TITLE OF INVENTION: Bovine Rotavirus Genes
FILE REFERENCE: 22727/04026
CURRENT APPLICANTION NUMBER: US/09/232,338
CURRENT FILING DATE: 1999-01-15
NUMBER OF SEQ ID NOS: 50
SOFTWARE: Patentin version 3.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        REFERENCE/DOCKET NUMBER: 00088-037001
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 542-5070
TELEFAX: (617) 542-8906
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/000,922
FILING DATE: 16 JAN 1993
APPLICATION NUMBER: US/07/629,601B
FILING DATE: 17-DEC-1990
ATTORNEY/AGENT INFORMATION:
NAME: Freeman, John W.
REGISTRATION NUMBER: 29,066
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           4663 AATTTTAATAGTTATA 4678
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         18 AATTTTAATACTTATA 3
                                                                                                                                                                                                                                                                                               TYPE: DNA ORGANISM: Bovine rotavirus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TELEX: 200154, 204-890
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 14
                                                                                                                                                                                                                                                                                                                                                                                                                                            15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           STATE: Massachusetts
COUNTRY: U.S.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                     Best Local Similarity
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NAME: Wegner, Harold C.
REGIGSTRATION NUMBER: 25,258
REFERENCE/DOCKET NUMBER: 74129/432
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 672-5309
INFORMATION FOR SEQ ID NO: 15:
SEQUENCE CHARACTERISTICS:
LENGTH: 14 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADDRESSEE: David Prashker, Esq.
STREET: P.O. Box 5387
CITY: Magnolia
                                                                                                                                                                                                                                                                                                               TOPOLOGY: linear MOLECULE TYPE: other nucleic acid DESCRIPTION: /desc = "Synthetic DNA"
                   APPLICATION NUMBER: JP 249457/1995
FILING DATE: 27-SEP-1995
ATTORNEY/AGENT INFORMATION:
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CORRESPONDENCE ADDRESS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            20 AATTCGGCACGAGG 33
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Matches 14; Conservative
                                                                                                                                                                                                                                                                       TYPE: nucleic acid
STRANDEDNESS: sing
                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                 US-09-043-861-15
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    Gaps
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    Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/043,861
FILING DATE: 27-MAR-1998
CLASSIFICATION 1435
PRIOR APPLICATION NUMBER: WO PCT/JP96/02801
APPLICATION NUMBER: WO PCT/JP96/02801
FILING DATE: 27-SEP-1996
PRIOR APPLICATION NUMBER: US 56044/1996
FILING DATE: 13-MAR-1996
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         GENERAL INFORMATION:
APPLICANT: IMAI, Toshio
APPLICANT: YOSHID, Tetsuya
APPLICANT: YOSHIE, Osamu
TITLE OF INVENTION: TYPE CC CHEMOKINE-LIKE PROTEIN
NUMBER OF SEQUENCES: 37
CORRESPONDENCE ADDRESS:
ADDRESSEE: FOLEY & LARDNER
STREET: 3000 K Street, N.W.
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0
                                                                                                                                                                                                                                           TITLE OF INVENTION:
TITLE OF INVENTION: NOVEL COLLECTIN
FILE REPERENCE: 19036/36615
CURRENT APPLICATION NUMBER: US/09/600,932
CURRENT FILING DATE: 2000-09-08
PRIOR APPLICATION NUMBER: PCT/JP98/03328
PRIOR RILING DATE: 1998-07-24
PRIOR PILING DATE: 1998-01-23
NUMBER OF SEQ ID NOS: 29
SOFTWARE: PatentIN Ver: 2.0
SEQ ID NO 4
  Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COUNTRY: U.S.A.
ZIP: 20007-5109
COMPUTER READABLE PORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 15, Application US/09043861
Patent No. 6793917
                                                                                                                                                                  5-09-600-932-4
Sequence 4, Application US/09600932
Patent No. 6787639
GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ORGANISM: Artificial Sequence FEATURE:
                                         2908 GAGGAAGAGGAAGA 2921
                                                                                 1 GAGGAAGAGAAGA 14
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  14; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CITY: Washington
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-09-043-861-15
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Matches
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syndecan-4 cytoplasmic domain signaling pathway
                                                   Gaps
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COUNTRY: USA
ZIP: 01930
COMPUTER: D1930
COMPUTER: D191 PC
COMPUTER: Dell PC
COMPUTER: Dell PC
COMPUTER: MS DOS
SOFTWARE: Microsoft Word version 97
CURRENT APPLICATION DATE: US/09/190,976B
FILING DATE: 12-No. 6815187-1998
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0.3%; Score 14; DB 1; Length 14; 100.0%; Pred. No. 1.1e+02;
0.3%; Score 14; DB 1; Length 14;
100.0%; Pred. No. 1.1e+02;
ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                            Sequence 14, Application US/09190976B

Patent No. 6815187

GENERAL INFORMATION:
APPLICANT: Stowitz, Arie
TITLE OF INVENTION: Stimulation of angiogenesis via
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ATTORNEY/AGENT INFORMATION:
NAME: David Prashker, Esq.
NAME: David Prashker, 29,693
REGISTRATION NUMBER: 29,693
REFERENCE/DOCKET NUMBER: BIS-041
TELECOMONINCETTON INFORMATION:
TELEPHONE: (978) 525-3794
INFORMATION FOR SEQ ID NO: 14:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TOPOLOGY: linear

MOLECULE TYPE: peptide

SEQUENCE DESCRIPTION: SEQ ID NO: 14:
US-09-190-976B-14
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Gaps

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Sequence 34, Application US/09195991

Patent No. 6218119

GENERAL INFORMATION:
APPLICANT: KUIPER, Martin T.R.
APPLICANT: ZABRAU, Marc
APPLICANT: VOS, Pieter
TITLE OF INVENTION: AMPLIFICATION OF SIMPLE SEQUENCE REPEATS
NUMBER OF SEQUENCES: 47

CORRESPONDENCE ADDRESS:
ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
                                                                                                                                                                                                                           Query Match 0.3%; Score 14; DB 1; Length 16; Best Local Similarity 100.0%; Pred. No. 1.3e+02; Matches 14; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CITY: Alexandria
STATE: Virginia
COMPUTER: Virginia
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/195,991
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/585,888
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0.3%; Score 14; DB 1; Le
ilarity 100.0%; Pred. No. 1.3e+02;
Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                E: BURNS, DOANE, SWECKER & MATHIS P.O. Box 1404
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NAME: McGowan, Malcolm K.
REGISTRATION NUMBER: 39,300
REFERNICE/DOCKET NUMBER: 010830-097
TELECOMMUNICATION:
TELEPHONE: (703) 836-6620
                                                                                                                                                   TOPOLOGY: linear MOLECULE TYPE: DNA (genomic)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MOLECULE TYPE: DNA (genomic)
                                                                                                                                                                                                                                                                                                         2802 TCACATGCGTCAGA 2815
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       2802 TCACATGCGTCAGA 2815
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TELEFAX: (703) 836-2021
INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                               INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS: LENGTH: 16 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         14 rcacarecercaea 1
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nucleic acid
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nes 14; Conserva
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                                                                                                                               STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                      RESULT 219
US-09-195-991-34/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FILING DATE:
                                                                                                                                                                                         US-08-585-888-34
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-09-195-991-34
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   Gaps
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APPLICANT: LI, WAN-LIANG ROBERT
APPLICANT: LI, WAN-LIANG ROBERT
TILE OF INVENTION: FLUDOSECENT OLIGONUCLEOTIDES AND USES THEREOF
FILE REFERENCE: 16517.248
CURRENT APPLICATION NUMBER: US/09/859,736
CURRENT FILING DATE: 2001-05-18
PRIOR APPLICATION NUMBER: 60/205,452
PRIOR FILING DATE: 2000-05-19
NUMBER OF SEQ ID NOS: 7
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 7
LENGTH: 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 34, Application US/08585888
; Sequence 34, Application US/08585888
; Patent No. 5874215
; GENERAL INFORMATION;
; APPLICANT: KUIPER, Marcin T.R.;
APPLICANT: VOS, Pieter
; TITLE OF INVENTION: AMPLIFICATION OF SIMPLE SEQUENCE REPEATS
; CORRESPONDENCE ADDRESS;
; CORRESPONDENCE ADDRESS;
; STREET: P.O. Box 1404
; CITY: Alexandria
CITY: Alexandria
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ; OTHER INFORMATION: Description of Artificial Sequence: Synthetic; ; OTHER INFORMATION: dT oligonucleotide
US-09-859-736-7
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   Indels
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 Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NAME: McGowan, Malcolm K.
REGISTRATION NUMBER: 39,300
REFERENCE/DOCKET NUMBER: 010830-097
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICATION NUMBER: EP 95400080.8
FILING DATE: 16-JAN-1995
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                     Sequence 7, Application US/09859736
Patent No. 6838244
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ORGANISM: Artificial Sequence
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                                     19 GAATTCGGCACGAG 32
                                                                 1 GAATTCGCCACGAG 14
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COUNTRY: United States
14; Conservative
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                                                                                                                                                   US-09-859-736-7/c
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Matches
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                                                                                                                                                                                                                                                                                                                                                           COMPUTER: IBM Compatible
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/292,620A
FILING DATE: AUGUST 17, 1994
CLASSIFICATION NUMBER: US/08/292,620A
FILING APPLICATION DATA:
PRIOR APPLICATION DATA: including application
PRIOR APPLICATION DATA: including application
PRIOR APPLICATION DATA: 1991
APPLICATION NUMBER: 08/008,995
FILING DATE: January 19, 1993
APPLICATION NUMBER: 07/989,849
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1.4e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Susan Grimm
APPLICANT: Dan T. Stinchcomb
APPLICANT: James McSwiggen
APPLICANT: James McSwiggen
APPLICANT: Gens Sullivan
APPLICANT: Kenneth G. Draper
TITLE OF INVENTION: RIBOZYME TREATMENT OF
TITLE OF INVENTION: BISEASES OR CONDITIONS
TITLE OF INVENTION: INTRACELLULAR ADHESION
TITLE OF INVENTION: INTRACELLULAR ADHESION
TITLE OF INVENTION: MOLECULE-1 (1-CAM-1)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match

0.34; SCOLE 1.4

Best Local Similarity 100.0%; Pred. No. 1.4

Matches 14; Conservative 0; Mismatches
                                                                                                                                                                                             CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: S.5" Diskette, 1.44 Mb
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 1748, Application US/08292620A Patent No. 5837542 GENERAL INFORMATION: APPLICANT: Susan Grimm
TITLE OF INVENTION: RELATED TO LEV ITLE OF INVENTION: INTRACELLULAR ITLE OF INVENTION: MOLECULE-1 (I-MUMBER OF SEQUENCES: 2390 CORRESPONDENCE ADDRESS: ADDRESSE: Lyon & Lyon STREET: 633 West Fifth Street STREET: Suite 4700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FILING DATE: December 7, 1992
ATTORNEY/AGENT INFORMATION:
NAME: WATDURG, RICHARY J.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 208/:
TELECOMMUNICATION INFORMATION:
TELEFAX: (213) 489-1600
TELEFAX: 67-3510
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   3: Lyon & Lyon
633 West Fifth Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TELERA: (212)
TELER: 67-3510
INFORMATION FOR SEQ ID NO: 1
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     287 TCTGCTGAGACCCC 300
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CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              RESULT 222
US-08-292-620A-1748/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-08-292-620A-1731
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                                                                                                                                                                                                                                                                                                                                                                                                              COUNTRY: U.S.A.

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30 (EPO)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/155,885A

FILING DATE: 08-OCT-1998

CLASSIFICATION: <Unknown>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ö
                                                                                                                                                                                             ROSSAU, RUDI
MAENTENS, GEERT
TITLE OF INVENTION: METHOD FOR TYPING AND DETECTING HBV
NUMBER OF SEQUENCES: 313
CORRESPONDENCE ADDRESS:
ADDRESSES: NIXON & VANDERHYE P.C.
STREET: 1100 NORTH GLEBE ROAD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 16;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0; Indels
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0.3%; Score 14; DB 1; Le
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 14; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICATION NUMBER: PCT/EP97/02002
FILING DATE: 21-APR-1997
APPLICATION NUMBER: EP 96870053.4
FILING DATE: 19-APR-1996
ATTORNEY/AGENT INFORMATION:
NAME: SADOFF, B.J.
REGISTRATION NUMBER: 36.63
REFERENCE/DOCKET NUMBER: 2551-5
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 816-4000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Susan Grimm
APPLICANT: Dan T. Stinchcomb
APPLICANT: James McSwiggen
APPLICANT: Sean Sullivan
APPLICANT: Kenneth G. Draper
TITLE OF INVENTION: BISEASES OR CONDITIONS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                · ANTI-SENSE: NO SEQUENCE DESCRIPTION: SEQ ID NO: 236:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US-08-292-620A-1731/c
; Sequence 1731, Application US/08292620A
; Patent No. 5837542
; GENERAL INFORMATION:
; APPLICANT: Suean Grimm
; APPLICANT: Dan T. Stinchcomb
                                                                                               Sequence 236, Application US/09155885A Patent No. 6709812 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ELEFAX: (703) 816-4100
                                                                                                                                                                        APPLICANT: STUYVER, LIEVEN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 LENGTH: 16 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 INFORMATION FOR SEQ ID NO: 236
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PRIOR APPLICATION DATA:
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                                                                                                                                                                                                                                                                                                                                                                                               STATE: VIRGINIA
                                                                                                                                                                                                                                                                                                                                                                     CITY: ARLINGTON
                                                                              .09-155-885A-236/c
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Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: James McSwiggen
APPLICANT: Sean Sullivan
TITLE OF INVENTION: RELATED TO LEVELS OF
TITLE OF INVENTION: INTRACELLULAR ADHESION
TITLE OF INVENTION: MOLECULE-1 (I-CAM-1)
NUMBER OF SEQUENCES: 2390
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: Sulte 4700
CITY: Los Angeles
STREET: Sulte 4700
CITY: Los Angeles
STREET: U.S.A.
ZIP: 90071-2066
COMPUTEY: U.S.A.
ZIP: 90071-206
COMPUTE READABLE FORM:
MEDIUM TYPE: SLOTSGE:
                                                                                                                                    APPLICATION:
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION:
PROCR APPLICATION DATA:
APPLICATION NUMBER: 08/008,895
FILING DATE: January 19, 1993
APPLICATION NUMBER: 07/989,849
FILING DATE: Jeneary 19, 1993
APPLICATION NUMBER: 07/989,849
FILING DATE: December 7, 1992
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
REFERNCE/DOCKET NUMBER: 208/149
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEPHONE: (213) 955-0440
TELEPHONE: (713) 955-0440
TELEPHONE: 67-3510
TELERATION FOR SEQ ID NO: 1731:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                          COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURENT APPLICATION DATA:
APPLICATION NUMBER: US/09/071,845
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OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/071,845
FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 1748, Application US/09071845
Patent No. 6132967
GENERAL INPORMATION:
APPLICANT: Susan Grimm
APPLICANT: Dan T. Stinchcomb
APPLICANT: James McSwiggen
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    287 TCTGCTGAGACCCC 300
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Best Local Similarity 100.
Matches 14; Conservative
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US-09-071-845-1731
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                                                                                          ZIP: 20071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 Diskette, 1.44 Mb
MEDIUM TYPE: 3.5 Diskette, 1.992
MEDIUM TYPE: 3.5 Diskette, 1.992
MEDIUM TYPE: 3.5 Diskette, 1.992
MEDIUM TYPE: 3.5 DISKETE 1.992
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Pred. No. 1.4e+02;
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US-09-071-845-1731/C

Sequence 1731, Application US/09071845

Sequence 1731, Application US/09071845

BEREAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Susan Grimm
APPLICANT: James McSwiggen

APPLICANT: Gene McSwiggen

APPLICANT: Renneth G. Draper

TITLE OF INVENTION: RIBOZYME TREATMENT OF

TITLE OF INVENTION: DISEASES OR CONDITIONS

TITLE OF INVENTION: RELATED TO LEVELS OF

TITLE OF INVENTION: INTRACELLULAR ADHESION

TITLE OF INVENTION: INTRACELLULAR ADHESION

TITLE OF INVENTION: MCHECULE-1 (I-CAM-1)

CORRESPONDENCE ADDRESS:
ADDRESSEE: LYON & LVOTT

STREET: 6...
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match 0.3%; Score 14; DB Best Local Similarity 100.0%; Pred. No. 1.4 Matches 14; Conservative 0; Mismatches
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STATE: California
COUNTRY: U.S.A.
ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 208/1.
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEPHONE: (713) 955-0440
ITELERX: 67-3510
INFORMATION FOR SEQ ID NO: 1748:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: Suite 4700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                287 TCTGCTGAGACCCC 300
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
STREET: Suite 4700
CITY: Los Angeles
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ; TOPOLOGY: linear
US-08-292-620A-1748
                                                                               U.S.A.
                                                                             COUNTRY:
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APPLICANT: CHEN, Wenshend
FILE REPERBENCE: ABOMICA-7
CURRENT APPLICATION NUMBER: US/09/866,108A
CURRENT APPLICATION NUMBER: US 60/207,456
FRIOR FILING DATE: 2001-05-26
FRIOR FILING DATE: 2000-10-04
FRIOR FILING DATE: 2000-09-27
FRIOR PLING DATE: 2001-09-27
FRIOR PLING DATE: 2001-01-30
FRIOR PLING DATE: 2001-01-30
FRIOR FLING DATE: 2001-01-30
FRIOR FLING DATE: 2001-01-30
FRIOR PLING DATE: 2001-01-30
FRI
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APPLICANT: GU, Yizhong
APPLICANT: GU, Yizhong
APPLICANT: GU, Yizhong
APPLICANT: BERN, Sharron G.
APPLICANT: BERN, Sharron G.
APPLICANT: BERN, Bavid R.
APPLICANT: HANZEL, David R.
APPLICANT: HANZEL, David R.
APPLICANT: CHEN, Wensheng
APPLICANTON NUMBER: US/09/866,108A
CURRENT PILING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: GB 24263.6
PRIOR FILING DATE: 2000-05-26
PRIOR FILING DATE: 2000-09-27
PRIOR FILING DATE: 2000-09-27
PRIOR FILING DATE: 2001-01-30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ö
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; Sequence 10545, Application US/09866108A
; Patent No. 6686188
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Local Similarity 100.0%; Pr
les 14; Conservative 0;
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RANK, David R.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; ORGANISM: Homo
US-09-866-108A-105
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
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US-09-535-012A-16

Sequence 16, Application US/09535012A

Patent No. 65312B1

GENERAL INFORMATION:
TITLE OF INVENTION: Method of Detecting Sulphate- Reducing Bacteria

TITLE OF INVENTION: Method of Detecting Sulphate- Reducing Bacteria

CURRENT APPLICATION NUMBER: US/09/535,012A

CURRENT APPLICATION NUMBER: US/09/535,012A

PRIOR APPLICATION NUMBER: 9903637

PRIOR FILING DATE: 1999-03-24

NUMBER OF SEQ ID NOS: 25

SOFTWARE: PatentIn Ver. 2.1

SEQ ID NO 16

LENGTH: 17
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Pred. No. 1.4e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match 0.3%; Score 14; DB Best Local Similarity 100.0%; Pred. No. 1.4 Matches 14; Conservative 0; Mismatches
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                               PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/292,620
FILING DATE: August 17, 1994
APPLICATION NUMBER: 08/006,895
FILING DATE: January 19, 1993
APPLICATION NUMBER: 07/989,849
FILING DATE: December 7, 1992
ATTORNEY/AGENT INFORMATION:
NAME: WAADAUG, RICHARCH O'.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 208/149
TELECPHONE: (213) 955-040
TELEPHONE: (213) 955-040
TELEPHONE: (213) 955-040
TELEPHONE: CASSO ID NO: 1748:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
TUNDER: MANDE: AUGUST TO THE CONTROLLED TO THE CONTROL
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GENERAL INFORMATION:
APPLICANT: GU, Yizhong
APPLICANT: JI, Yonggang
APPLICANT: PENN, Sharron G.
APPLICANT: HANZEL, David K.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: DNA ORGANISM: Desulfovibrio vulgaris
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   OTHER INFORMATION: aspl2 primer US-09-535-012A-16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1138 CGGAGGAGACTTG 1151
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; TOPOLOGY: linear
US-09-071-845-1748
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-09-866-108A-10544
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Query Match
Best Local Similarity 100.0
Matches 14; Conservative
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APPLICANT: PERN, Sharron G.
APPLICANT: RANK, David R.
APPLICANT: RANK, David R.
APPLICANT: RANK, David R.
APPLICANT: SHANNON, MARK
TITLE OF INVENTION: WANSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE CURRENT FILING DATE: 2001-05-25
FRIOR REPLICATION NUMBER: US/09/866,108A
CURRENT FILING DATE: 2000-10-05-8
PRIOR APPLICATION NUMBER: GB 24263.6
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR FILING DATE: 2001-01-30
PRIOR PELING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ô
PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00669

PRIOR FILING DATE: 2001-01-30

PRIOR FILING DATE: 2001-01-30

PRIOR PELING DATE: 2001-01-30

PRIOR PELING DATE: 2001-01-30

PRIOR PELING DATE: 2001-01-30

PRIOR PILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00663

PRIOR APPLICATION NUMBER: PCT/US01/00663

PRIOR PRIOR APPLICATION NUMBER: PCT/US01/00663

NUMBER OF SEQ ID NOS: 15755

SOFTWARE: Aeomica Sequence Listing Engine

PATENT NO. 6666188

SEQ ID NO 10545
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 0.3%; Score 14; DB 1; Length 17; Best Local Similarity 100.0%; Pred. No. 1.4e+02; Matches 14; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 10546, Application US/09866108A Patent No. 6686188
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            2102 ATAATGAAGAATA 2115
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ATAATGAAGAATA 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108A-10545
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                                                                        Gaps
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0.3%; Score 14; DB 1; Length 17;
100.0%; Pred. No. 1.48+02;
ive 0; Mismatches 0; Indels
                                                                 0; Indels
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Pred. No. 1.4e+02;
0; Mismatches 0; Indels
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US-09-155-885A-235/c
US-09-155-885A-235/c
Sequence 235, Application US/09155885A
Patent No. 6709812
GENERAL INFORMATION:
APPLICANT: STUVYER, LIEVEN
MAERIENS, GERT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0.3%; Scc.
100.0%; Pre
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Best Local Similarity 100.0
Matches 14, Conservative
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US-09-866-108A-10547
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Patent No. 6380369
GENERAL INFORMATION:
APPLICANT: Adams et al.
TITLE OF INVENTION: Human DNA Mismatch Repair Proteins
FILE REPRENCE: PF106P2
CURRENT APPLICATION NUMBER: US/08/294,312B
CURRENT FILING DATE: 1994-08-23
PRIOR FILING DATE: 1994-08-16
PRIOR FILING DATE: 1994-01-27
NUMBER OF SEQ ID NOS: 78
SEQ ID NO 11
LENGTH: 18
                                                                                                     APPLICATION NUMBER: PCT/EP97/02002
FILING DATE: 21-APR-1997
APPLICATION NUMBER: EP 96870053.4
FILING DATE: 19-APR-1996
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ANTI-SENSE: NO
SEQUENCE DESCRIPTION: SEQ ID NO: 237:
US-09-155-885A-237
                                                                                                                                                                                                             NAME: SADOFF, B.J.
RRGIGTRATION NUMBER: 36,663
REFERENCE/DOCKET NUMBER: 2551-5
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ; OTHER INFORMATION: hMLH1 sense primer
US-08-294-312B-11
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                                              FILING DATE: 08-Oct-1998
CLASSIFICATION: <Unknown>
                                                                                                                                                                                                                                                                                                 TELEPHONE: (703) 816-400
INFORMATION FOR SEQ ID NO: 237:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 DASS PAIRS
                                                                                                                                                                                                                                                                                                                                                                                                                                              TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: nucleic acid
STRANDEDNESS: single
      CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1977 AGCCCAAGATGATG 1990
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ORGANISM: Artificial Sequence
                                                                                        PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 4070 GGGACATGAGGTTC 4083
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Matches 14; Conserva
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US-08-294-312B-11
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                                                       COMPART NIXON & VANDERHYE P.C.
STREET: 1100 NORTH GLEBE ROAD
CITY: ARLINGTON
STATE: VIS.A.
ZIP: 2201-4714
COMPUTE: 1200 TYPE: Floppy disk
COMPUTE: IBM PC compatible
OPERATING SYSTEM: PC-DOS/NS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30 (EPO)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/155, 985A
FILING DATE: 08-Oct-1998
CLASSIFICATION NUMBER: PCT/EP97/02002
FILING DATE: 21-APR-1996
APPLICATION NUMBER: EP 96870053.4
FILING DATE: 19-APR-1996
ATTORNEY/AGENT INFORMATION:
NAME: SADOFF, M.J.
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30 (EPO)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 237, Application US/09155885A
Patent No. 6709812
GENERAL INFORMATION:
APPLICANT: STUYVER, LIEVEN
ROSSAU, RUDI
MARRIENS, GERRT
TITLE OF INVENTION: WETHOD FOR TYPING AND DETECTING HBV
NUMBER OF SEQUENCES: 313
CORRESPONDENCE ADDRESS:
ADDRESSEE: NIXON & VANDERHYE P.C.
STREET 1100 NORTH GLEBE ROAD
CITY: ARLINGTON
TITLE OF INVENTION: METHOD FOR TYPING AND DETECTING HBV
NUMBER OF SEQUENCES: 313
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 17;
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100.0%; Pred. No. 1.4e+02;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              REGISTRATION NUMBER: 36,663
REFERENCE/DOCKET NUMBER: 2551-5
TELECOMMUNICATION INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TELEFAX: (703) 816-4100
INFORMATION FOR SEQ ID NO: 235:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: nucleic acid
STRANDEDNESS: single
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Matches 14; Conservative
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Gaps

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Sequence 5317.4

Sequence 5327.5

Batent No. 6537751

GENERAL INFORMATION:

APPLICANT: Cohen, Daniel

APPLICANT: Cohen, Daniel

TITLE OF INVENTION: Biallelic markers for use in constructing a high density...

FILE REFERENCE: GENSET.020CP1

CURRENT APPLICATION NUMBER: US 09/422,978

CURRENT FILING DATE: 1990-10-20

EARLIER PELING DATE: 1990-04-21

EARLIER PELING DATE: 1990-10-20

EARLIER PELING DATE: 1990-10-20

EARLIER PELING DATE: 1990-10-21

EARLIER PELING DATE: 1990-10-21

EARLIER PELING DATE: 1990-10-21

EARLIER PELING DATE: 1990-10-21

EARLIER PILING DATE: 1990-10-21
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Sequence 11, Application US/08465679

Fatent No. 6610477

Trick OF Trick OF
                                                                                                                                                TYPE: DNA ORGANISM: Desulfovibrio vulgaris
                                                                                                                                                                                                                                                              ; OTHER INFORMATION: APS14 primer US-09-535-012A-10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1138 CGGAGGAGACTTG 1151
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NUMBER OF SEQ ID NOS: 25
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 10
. LENGTH: 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: DNA
ORGANISM: Homo Sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-09-422-978-5372
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LENGTH: 18
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US-09-535-012A-10
Sequence 10. Application US/09535012A
Sequence 10. Application US/09535012A
GENERAL INFORMATION:
TITLE OF INVENTION: Method of Detecting Sulphate- Reducing Bacteria
FILE REFERENCE: 111628-00114
FILE REFERENCE: 100-03-24
CURRENT PLILING DATE: 2000-03-24
FRICR APPLICATION NUMBER: 9903637
PRIOR FILING DATE: 1999-03-24
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GENERAL INTORMATION:

APPLICANT: Haseltine et al.

TITLE OF INVENTION: Human DNA Mismatch Repair Proteins
FILE REFERENCE: PF10.691

CURRENT APPLICATION NUMBER: US/08/468,024B

CURRENT APPLICATION NUMBER: 08/294,312

PRIOR FILING DATE: 1994-08-23

PRIOR FILING DATE: 1994-08-23

PRIOR APPLICATION NUMBER: 08/210,143

PRIOR APPLICATION NUMBER: 08/110,143

PRIOR APPLICATION NUMBER: 08/110,757

PRIOR PILING DATE: 1994-01-27

NUMBER OF SEQ ID NOS: 78

SOFTWARE: Patentin version 3.0

SEQ ID NO 11

LENGTH: 18
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GENERAL INCOGRAPTION:
APPLICANT: Adams et al.
TITLE OF INVENTION: Human DNA Mismatch Repair Proteins
FILE REPERENCE: PP106
CURRENT APPLICATION NUMBER: US/08/187,757D
CURRENT FILING DATE: 1994-01-27
NUMBER OF SEQ ID NOS: 33
SOFTWARE: Patentin version 3.0
LENGTH: 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ; OTHER INFORMATION: hMLH1 sense primer US-08-468-024B-11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ; OTHER INFORMATION: hMLH1 sense primer US-08-187-757D-9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ; Sequence 9, Application US/08187757D ; Patent No. 6482606
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: DNA
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       4070 GGGACATGAGGTTC 4083
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Gaps

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TELEPHONE: (703) 816-4000
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US-09-155-885A-145/C

# Sequence 145, Application US/09155885A

# Patent No. 6709812

# GENERAL INFORMATION:
# MAERTENS, GEERT

# TITLE OF INVENTION: METHOD FOR TYPING AND DETECTING HBV

# NUMBER OF SEQUENCES: 313

# CORRESPONDENCE ADDRESS:
# ADDRESSEE: NIXON & VANDERHYE P.C.
# STREET: 1100 NORTH GLEBE ROAD

# COUNTRY: U.S.A.
# ZIP: 22201-4714

# COMPUTER READABLE FORM:
# MEDIUM TYPE: Floppy disk

# MEDIUM TYPE: Floppy disk

# ADDRESSEE: PRORM:
# ADDRESSEE: PRORM:
# ADDRESSEE: NIRGINIA CONTRY US.A.
# ADDRESSEE: PRORM:
# ADDRESSEE
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OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30 (EPO)
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match 0.3%; Score 14; DB 1; Length 18; Best Local Similarity 100.0%; Pred. No. 1.5e+02; Matches 14; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GENERAL INFORMATION:

APPLICANT: Haseltine et al.

TITLE OF INVENTION: Human DNA Mismatch Repair Proteins
FILE REFERENCE: PF106P1
CURRENT APPLICATION NUMBER: US/08/210,143C
CURRENT FILING DATE: 1994-03-16
PRIOR PRICATION UNMBER: 08/187,757
NUMBER OF SEQ ID NOS: 45
SEQ ID NOS: 45
SEQ ID NO 9
LENGTH: 18
                                                                                                                                                                                                                                                   ; FEATURE:
; OTHER INFORMATION: hMLH1 sense primer
US-08-465-679-11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ) OTHER INFORMATION: hMLH1 sense primer US-08-210-143C-9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ; Sequence 9, Application US/08210143C; Patent No. 6620619
NUMBER OF SEQ ID NOS: 78
SOFWARE: Patentin version 3.0
SEQ ID NO 11
LENGTH: 18
                                                                                                                                                                     TYPE: DNA
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             4070 GGGACATGAGGTTC 4083
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Gaps
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STATE: VIRGINIA
COUNTY: U.S.A.
ZIP: 22201-4714
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: BM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30 (EPO)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/155,885A
FILING DATE: 08-Oct-1998
CLASSIFICATION ANDRER: PCT/EP97/02002
FILING DATE: 21-APR-1997
APPLICATION NUMBER: PCT/EP97/02002
FILING DATE: 21-APR-1996
FILING DATE: 21-APR-1996
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TITLE OF INVENTION: METHOD FOR TYPING AND DETECTING HBV
NUMBER OF SEQUENCES: 313
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0.3%; Score 14; DB 1; Length 18; 100.0%; Pred. No. 1.5e+02; tive 0; Mismatches 0; Indels
                                                                                  APPLICATION NUMBER: PCT/EP97/02002
FILING DATE: 21-APPL-1997
APPLICATION NUMBER: EP 96870053.4
FILING DATE: 19-APR-1996
ATTORNEY/AGBNI THORMATION:
NAME: SADOFF, B.J.
REGISTRATION NUMBER: 36,663
REFERENCE/DOCKET NUMBER: 2551-5
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 816-4000
APPLICATION NUMBER: US/09/155,885A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADDRESSEE: NIXON & VANDERHYE P.C. STREET: 1100 NORTH GLEBE ROAD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          HYPOTHETICAL: NO
ANTI-SENSE: NO
SEQUENCE DESCRIPTION: SEQ ID NO: 145:
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REGISTRATION NUMBER: 36,663
REFERENCE/DOCKET NUMBER: 2551-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           RESULT 240
US-09-155-885A-238/c
i Sequence 238, Application US/09155885A
i Patent No. 6709812
i GENERAL INFORMATION:
APPLICANT: STUVYER, LIEVEN
i APPLICANT: STURY
                     FILING DATE: 08-Oct-1998
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TELECOMMUNICATION INFORMATION
                                                                                                                                                                                                                                                                                                                    INFORMATION FOR SEQ ID NO: 145: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
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                                                                                                                                                                                                                                                                                                                                                                                             LENGTH: 18 base pairs
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Best Local Similarity 100.0
Matches 14; Conservative
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US-09-700-492-8

; Sequence 8 Application US/09700492
; Patent No. 6800476
; GENERAL INFORMATION:
; APPLICANT: OLIVER, STEPHEN GEORGE
; APPLICANT: STANG, NIANSHU
; TITLE OF INVENTION: YEAST
; FILE REFRENCE: 39-225
; CURRENT FILING DATE: 2001-06-13
; PRIOR APPLICATION NUMBER: US/09/700,492
; CURRENT FILING DATE: 1998-05-16
; PRIOR APPLICATION NUMBER: GB9810442
; PRIOR PRILING DATE: 1998-05-16
; SOFTWARE: PatentIn Ver. 2.0
; SOFTWARE: PatentIn Ver. 2.0
; SOFTWARE: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:
; FEATURE:
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INFORMATION FOR SEQ ID NO: 238:
SEQUENCE CHARACTERISTICS:
TYPE: MC1eic acid
STRANDEDNESS: single
TOPOLOGY: linear
TOPOLOGY: linear
HYPOTHETICAL: NO
HYPOTHETICAL: NO
HYPOTHETICAL: NO
SEQUENCE DESCRIPTION: SEQ ID NO: 238:
US-09-155-885A-238
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Search completed: August 18, 2005, 08:40:13 Job time : 16 secs

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